



YMGI Group LLC

POB 1559, O'Fallon, MO 63366, USA

Tel: 1-866-833-3138

Fax: 1-866-377-3355

Email: info@ymgigroup.com

Literature Part No: LIT-WMMS-M6-DC IVTR-1 to 1-C8-II-20100608
For WMMS Series of Product Single Zone (Cooling, Heat Pump)
Subject to Continuous Engineering Improvement without Prior Notice.

YMGI is the Trademark and Property of YMGI Group. Copyright of YMGI Group.



YMGI, A COMFORT MAKER, A JOY COMPANION, A SATISFACTION GUARANTOR...

INSTALLATION INSTRUCTION

Wall Mount Mini Split Systems

DC INVERTER R410A-M6

Single Zone

Cooling and Heat Pump

18~22 SEER



⚠ WARNING

This product is designed and manufactured free from defects in material and workmanship under the normal use and maintenance. Installation, operation, maintenance and service shall follow professional practices for regular cooling and heating equipment, NEC, State, City or Local Codes and related manuals from us. Otherwise, damage to equipment or property even injury to people may occur.

Installer: Currently licensed HVAC installer only, Read this manual before installation. Sign on the warranty registration card.

User: Keep this manual for future maintenance and service use.

Service: Use this manual for service reference.



LITERATURE: LIT-WMMS-M6-DC IVTR-1 to 1-C8-II-20100608

CONTENTS

ILLUSTRATION OF INSTALLED SYSTEM SAMPLE 2

CONNECTION OF WIRES 3

GET READY FOR INSTALLATION 4

ATTENTIONS-MUST READ AND FOLLOW THE FOLLOWING, PRIOR TO CONNECTING REFRIGERANT LINES 5

NOTES FOR REFRIGERANT RELATED HVAC PRODUCTS, SPECIFICALLY THE SPLIT TYPE 6

IMPORTANT NOTES 8

BRIEF INTRODUCTION TO MINI SPLIT WALL MOUNT SYSTEM 11

IMPORTANT NOTES FOR UNIT OPERATION ABMIENT & SIZING 12

UNIT ENGINEERING SUBMITTALS-MECHANIAL 12

INSTALLATION CLEARANCE REQUIREMENTS GENERAL 15

INSTALLATION POSITIONS FOR INDOOR UNIT 16

INTRODUCTION 17

INSTALLATION POSITIONS FOR OUTDOOR UNIT 18

DURING INSTALLATION-INDOOR UNIT 19

INSTALLATION-OUTDOOR UNIT 22

WIRING OUTDOOR UNIT 23

CONNECT REFRIGERANT PIPES BETWEEN INDOOR AND OUTDOOR UNITS 24

PIPING GUIDE 25

INSTALLATION ACCESSORIES 26

DURING INSTALLATION 27

SYSTEM INSPECTION AND TRIAL RUNNING 27

CHECK AFTER INSTALLATION AND TEST OPERATION 28

INSTALLATION AND MAINTENANCE OF HEALTHY FILTER 29

TROUBLESHOOTING 30

USER NOTES AND SERVICE LOG 34

LIMITED PRODUCT WARRANTY REGISTRATION CARD 35

WARRANTY AND TECH. SUPPORT 36

USER NOTES AND SERVICE LOG 37

MEMO 38

CAUTION All Units Shall Be Installed by Experienced or Licensed Contractor Or Technician. Read Manuals before Installation.

CAUTION Following NEC, State and Local Codes and Installation Instructions of All Units, Otherwise Unit Warranty Will Be Void and Serious Damage To People Or Property May Be Caused.

WARNING Manufacturer Shall NOT Take Any Responsibilities for Any Damage or Loss Due to Improper Installation or Operation or Natural Disaster.

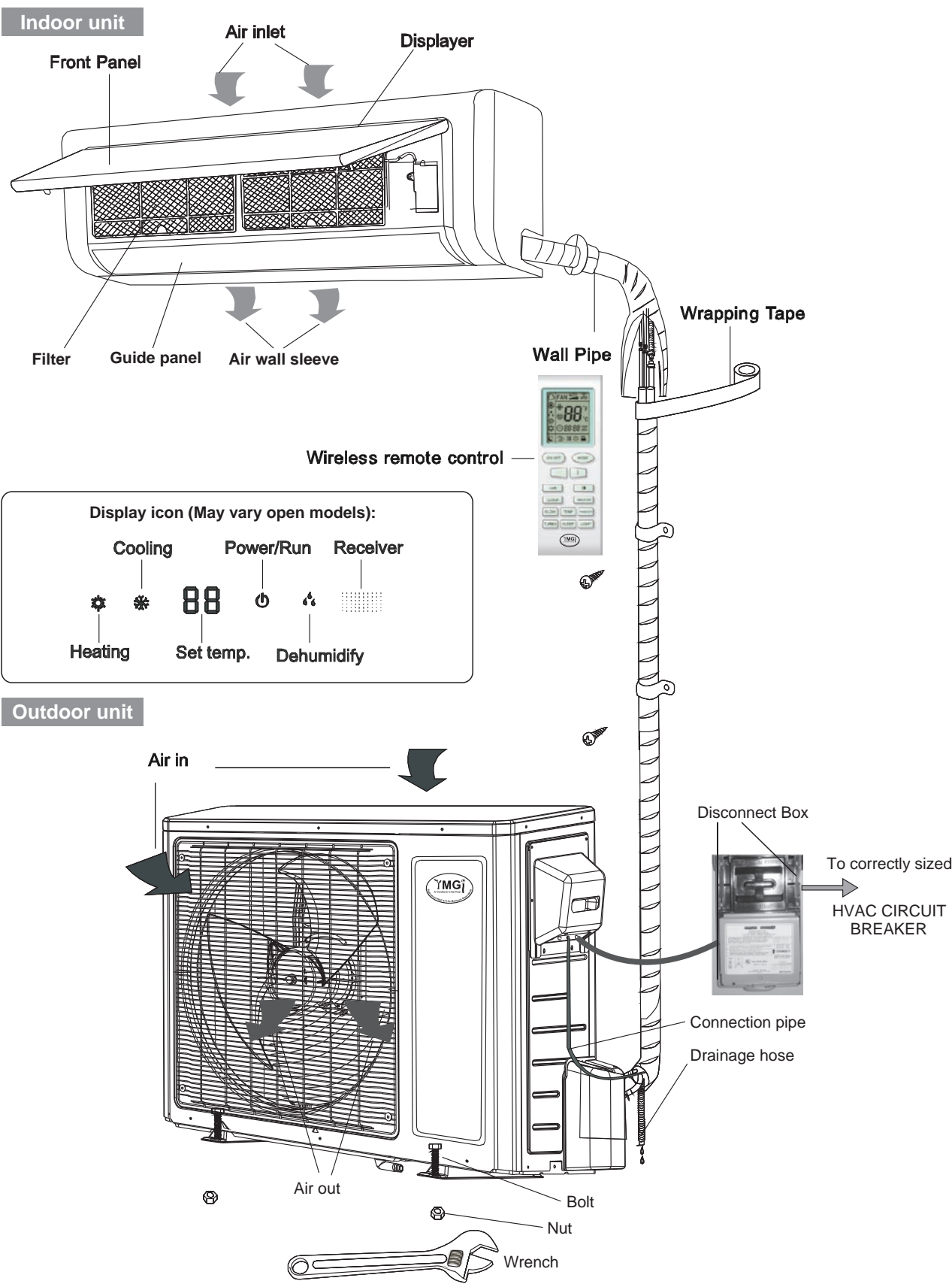
WARNING Don't Supply Power until All Wiring and Tubing and Checking is Completed. Ground the Unit Following Instructions and NEC, State and Local Codes.

DANGER Connect All Wiring Securely. Loose Wire or Other Bad Contact May Cause Arc or Overheating and Fire Hazard.

End User Technician Contact of Technical Support-Manufacturer
Toll Free Number: 1-866-833-3138 x 703
Email: techsp@ymgigroup.com

(End user needs to contact installation or service technician to check the unit, before the technicians contact manufacturer technical support-straight technical communication)

ILLUSTRATION OF INSTALLED SYSTEM SAMPLE



Notes: Actual unit/ part looking and installation may vary from the illustrated.
Subject to continuous improvement and change without prior notice.

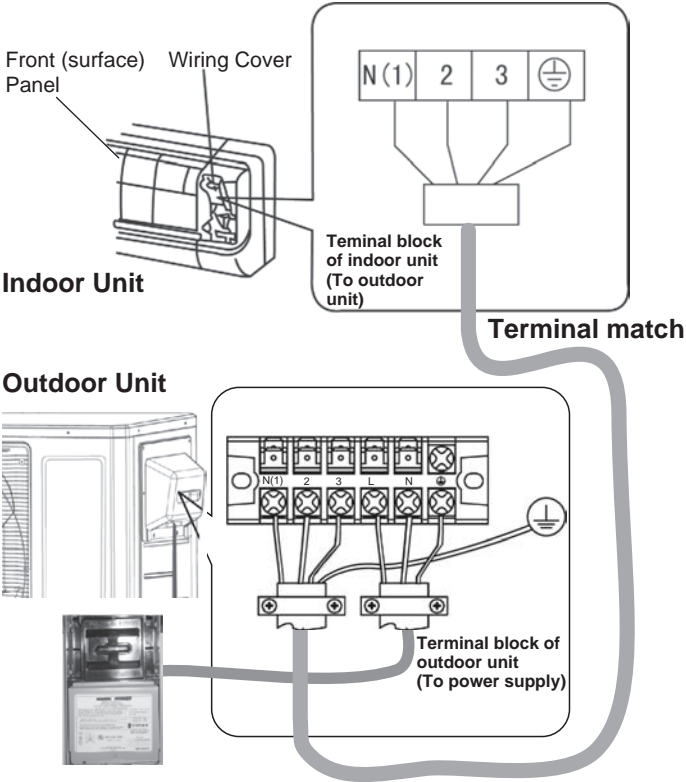


CONNECTION OF WIRES

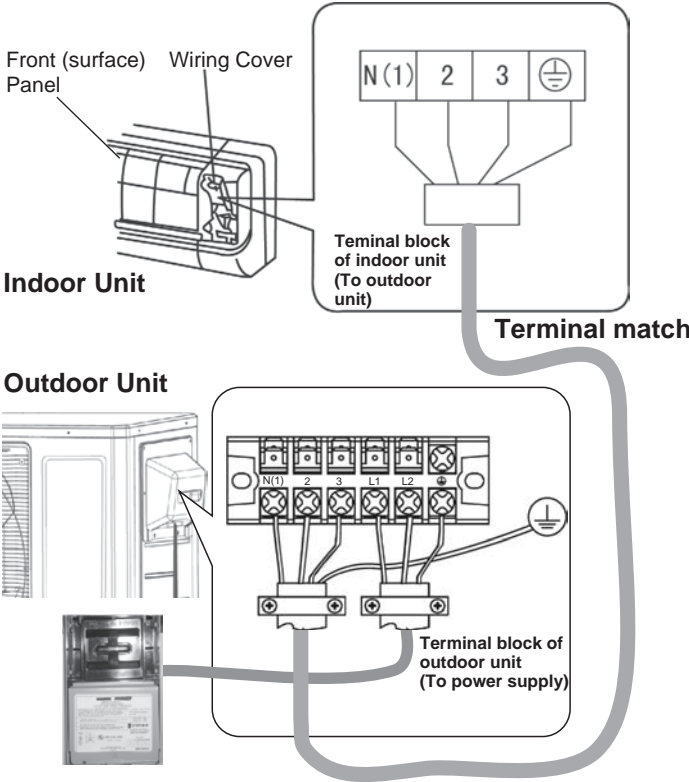
WIRING AT INDOOR UNIT AND OUTDOOR UNITS

- * Open the front cover panel.
- * Remove screws from electrical box cover and put screws in secured position.
- * Remove screws from fastener and put screws in secured position.
- * Prepare wires of right size and grade.
- * Recommend to use factory-provided wire/cables.
- * Connected to the terminals following wiring diagrams (terminal or color matches).
- * Clamp power/control wires to the structure to keep the tension form being transmitted to the wire connection.
- * Replace screws or fasteners back to where they were.

09K/12K Models (115/1/60)



18K/24K Models (208~230/1/60)



- Note:**
- * The environment conditions must be taken into consideration when the connections of power cable are made (such as the ambient temperature, direct exposure to heat/direct exposure to sunlight).
 - * The specifications for the power cable refer to the minimum values of the metal core wires, taking into consideration the voltage losses, the core wire of power cable must be one size larger than the specifications.
 - * The grounding wire must be connected to the indoor units and outdoor units.
 - * The laying of power cables must be done by qualified electricians and comply with the regulations of the local power supply authorities and with the standards of the electric appliance.

PIPING AND WIRING SIZES

Model	Liquid/Gas Line	Min/Max.Length/ +/-Elevation	Power Wire Disconnect Switch Box to Outdoor Unit	Power/ Control Wire Outdoor to Indoor Unit	HVAC Circuit Breaker/Fuse AMP (to Outdoor Unit)
09K	1/4" & 3/8"	15/70/25/35	L/N/G, 115/1/60, 14AWG	N(1)/2/3/G, 115/1/60, 16AWG	20/25
12K	1/4" & 3/8"	15/70/25/35	L/N/G, 115/1/60, 14AWG	N(1)/2/3/G, 115/1/60, 16AWG	25
18K	1/4" & 1/2"	15/100/30/50	L1/L2/G, 208-230/1/60, 14AWG	N(1)/2/3/G, 208~230/1/60, 16AWG	20/25
24K	1/4" & 5/8"	15/100/30/50	L1/L2/G, 208-230/1/60, 14AWG	N(1)/2/3/G, 208~230/1/60, 16AWG	25

GET READY FOR INSTALLATION

MISC. ITEMS COMING WITH INDOOR UNIT

1	Mounting plate	1 Pcs.
2	Manuals (User/ Installation/ Wiring/ Diagram)	1 Set
3	Remote controller	1 Pcs.
4	Battery	2 Pcs.
5	Drain spout for outdoor drain pain	1 Pcs.
6	Warranty registration card	1 Pcs.
7	QC Pass	2 Pcs.

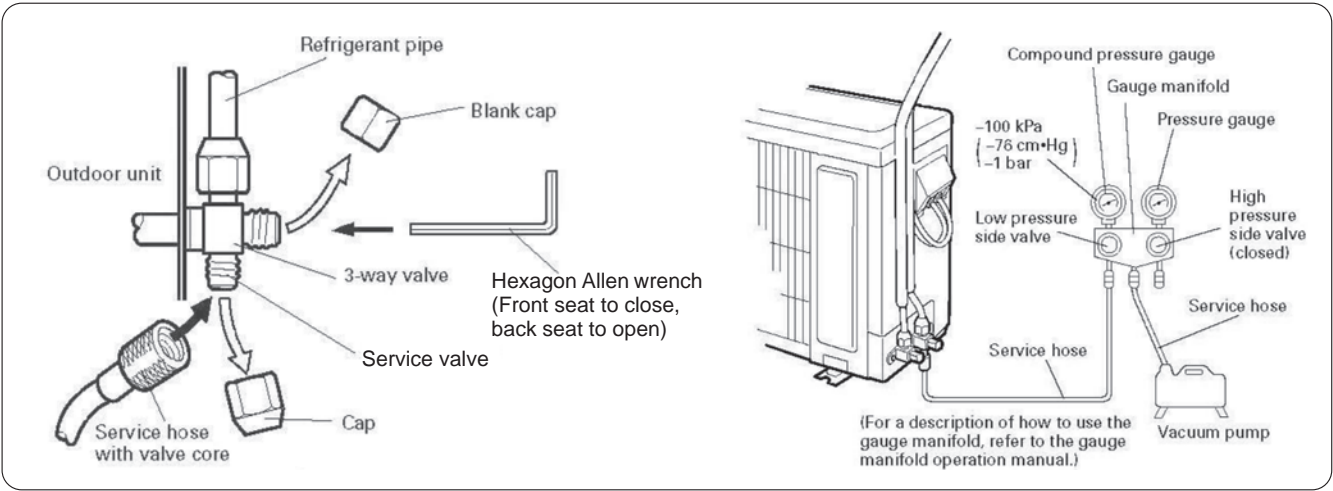
OPTIONAL ACCESSORIES THAT ARE PACKAGED AND MAY BE SOLD SEPARATELY

1	Installation kit (copper line/wire/drain hose & others)
2	Power and control and or intercommunication cable
3	Foot rise or brackets for outdoor unit
4	Line set covers
5	Wind baffie

LIST OF RECOMMENDED TOOL

1	Screw driver-Phillips-bigger
2	Screw driver-Phillips-smaller
3	Copper tube cutter
4	Copper tube flare expander
5	Wire stripper
6	Vacuum pump
7	Manifold (R410A)
8	Scissor
9	Plier
10	Wrentch
11	Multiple-purpose meter
12	Tape measure

Vacuum before Releasing Refrigerant from Outdoor Unit to Indoor Unit.



ATTENTIONS-MUST READ AND FOLLOW THE FOLLOWING, PRIOR TO CONNECTING REFRIGERANT LINES

- 1. Metering device is installed in this outdoor condensing unit, no other metering device needs to be field-installed anywhere else.
- 2. One refrigerant filter/strainer is installed in the outdoor unit, no other filter/strainer needs to be field-installed anywhere else, otherwise it may cause extra pressure drop and even system under-performance or other problems.
- 3. If a refrigerant drier is to be field-installed, must be of enough size and correct flow-direction, following drier manufacturer's instruction. Fail to do so may cause unit problems.
- 4. Must check the indoor unit for leakage by checking if the indoor unit still holds the pressurized charge, by breaking the seal left at indoor refrigerant copper line connection, before connecting it to the inter-connecting refrigerant copper lines. If for some reason the break is made before you check it, must pressurize it and check for leakage.
- 5. Professionally conduct general refrigeration practice to connect copper lines and seal-tight correctly and properly. Must insulate and secure both discharge and suction copper lines.
- 6. Must keep the two valves at outdoor condensing unit front-seated (closed), and pressurize the refrigerant flow cavities between the inter-connecting copper lines and indoor unit to check leakage, before move on to conduct vacuum leakage test (20-30 minutes under 500 microns recommended).
- 7. Then back-seat (open) the two valves to release refrigerant factory-precharged in the outdoor condensing unit, into the inter-connecting refrigerant copper lines and indoor unit, ONLY if the system leakage is checked and passed (pressurization and vacuum check).
- 8. Must check all thermal functions at the final stage of installation. Both liquid and gas lines at outdoor condensing unit valves, should be cold at cooling mode, and hot at heat pump mode. If not cold or hot (E4 or E5 error code may show up at indoor unit to shut off the system and warn for system checking, must contact installer or service provider to check refrigerant charge and/or other items, accordingly. How cold or how hot it needs to be, varies upon ambient temperature, refrigerant charge/pipe length, indoor unit conditions and so on.
- 9. Adjust/check the refrigerant charge per pressure/temperature (super-heat or sub-cooling) at the service valves, or length of copper pipes, following the pressure-ambient temperature chart or 25' breaking point rule as factory-recommended in the installation manual.

NOTES FOR REFRIGERANT RELATED HVAC PRODUCTS, SPECIFICALLY THE SPLIT TYPE

Thank you for purchasing our product from an authorized YMGI Products distributor. Once you have opened the box it is required that you carefully read through all the manuals and forms that are enclosed with your unit. The following shall be understood and agreed upon:

Check the delivery against the order and packing list to make sure there is no unit/part/accessory missing or damaged.

Mark any unit/part/accessory missing on the delivery confirmation paperwork.

Report any freight damage to the carrier within 24 hours of the accepted delivery.

Report any unit/part/accessory missing or damaged to sales/customer service at YMGI Products within 24 hours of the accepted delivery.

Failure to report damaged or missing pieces within 24 hours of the accepted delivery will void any responsibility for YMGI Products or the carrier.

Before opening the box you will accept:

Due to continuous product engineering improvement, as well as viewing angles and background effect, it is possible that the contained unit may vary slightly from the unit shown on the box or in specific literature.

All units will be shipped new and will not be used. Although some units may be subjected to random inspections during the shipping process, at no time shall a unit that has been used be shipped as new.

This unit is manufactured with the highest standards and is designed to operate free of defects. Failure of the unit to work properly often depends on many factors, not limited to but including, the quality of the installation, power failures, water damage and or damage to the unit as a result of dropping or other mishandling.

If the unit fails to operate properly, it is agreed that the Licensed Installer (HVAC Technician) contacts YMGI Products Technical Support and/or Customer Service. It is important that only the Licensed Installer contacts YMGI Products so that our technical support representative may walk through specific technical steps to help resolve the problem.

Important Installation Information:

It is agreed that ONLY a licensed HVAC Technician/ Installation shall conduct the electric and refrigerant-related installation, including all trouble-shooting work and will follow all Local/DOE/EPA Codes and Laws. Failure to have the installation completed by a licensed installer will void any and all warranties for your unit.

Contact your licensed HVAC Technician to determine what portions may be completed by anyone other than the licensed installer.

It is recommended that the installer should not be paid in full until all of the installation is completed including testing of all modes of unit operation.

What you need to know during the installation or operation of your unit:

Cover the interconnecting pipes before pulling through any structures to avoid damage from debris or any foreign material that may enter the refrigeration system.

Vacuum and conduct leakage check for the interconnecting pipes and indoor unit. If there is any leakage, locate the source of the leak and repair it prior to system operation.

Make sure the system is sealed tight without any leakage potential, before releasing refrigerant from the condensing unit to the interconnecting pipes and indoor unit.

For any technical questions, have the licensed installer contact our service department from the installation location.

For any information regarding pricing or product availability, please contact our sales department or an authorized distributor.

Before your licensed HVAC Technician finishes the installation:

Witness the HVAC Technician conduct a thorough check of the system including all modes of unit operation.

Have the HVAC Technician sign all necessary paperwork including your warranty card.

It is recommended that you do not pay your licensed HVAC Technician in full until your system is working properly for 30 days.

If there are any problems with system operation, immediately contact your HVAC Technician to have the system evaluated.

Instruct the HVAC Technician to contact YMGI Technical Support with any questions.

About the Warranty:

If the units are installed properly, following manufacturer instructions, by a licensed HVAC Technician, the units are covered with a standard warranty which covers 5-year compressor and 1-year parts only.

In standard warranty, no labor is included.

Extended warranty may be purchased only at the time the original unit is purchased at an additional cost that will extend the amount of time for the parts warranty and may also include labor in some plans.

Units/Parts shipping is ground only. At an additional fee, Expedited Express shipping may be requested in writing.



NOTES FOR REFRIGERANT RELATED HVAC PRODUCTS, SPECIFICALLY THE SPLIT TYPE

By Placing Order and Pay to Purchase Our Products from the Authorized Distributors, or by Opening the Carton Box, You Shall Have Read All Manuals and Instructions and Understood and Accepted and Agreed to All the Following:

What You Will Need to Do at Receiving the Products

Shall Check the Delivery Against the Order and Packing List to Make Sure There is No Unit/Part/Accessory Missing or Damage.

Shall Mark Any Unit and Part and Accessory Missing on the Delivery Confirmation Paperwork.

Shall Report Any Freight Damage to the Carrier within 24 Hours as of Delivery.

Shall Report Any Unit and Part and Accessory Missing or Damage to Sales/Customer Service within 24 hours as of Delivery.

No Report after 24 Hours as of Delivery, Meaning Units/Parts/Accessories Have Been Delivered Completely and No Damage is Found.

What You Will Accept before Breaking the Box Seal and Opening the Box

Due to Continuous Product/Engineering Improvement, as Well as Viewing Angles and Background Affects, the Contained Unit May Look Slightly Differently from What is Shown on the Carton Box or Spec. Brochures.

The Units Were Manufactured Some Time Prior to the Shipping Date. Normally The Box is Sealed and The Units/Parts Contained Are New and Have not Been Used. For Time to Time, Shipper Does Select Boxes Randomly to Check the Contained Units/Parts to Make Sure Everything Be All Right, before Shipping. But, All Units/Parts Have not Been Used.

The Product is Designed and Manufactured and Tested to Be Free of Defective at Manufacturer Plants, but if the Unit will Work or Not, Will Work Properly or Not, Only Depends upon Many other Factors, Especially the Quality of Installation. Anything Not Working May Not be the Product Itself. Which Could be Power Failure, Insufficient or Wrong Wiring, Not Vacuuming, Pipe Bending or Kinking or Leaking, Unit/Parts Dropping, Water Damage, and So on.

If the product, for Some Uncontrolled Factors During Transportation and Installation, Doesn't Function Properly or Timely Due to Unexpected Failure, You Agree to Have the Licensed Installer (HVAC or Electrician), instead of Yourself, Call the Manufacturer Technical Support and/or Customer Service to Walk through Some Technical Steps Together, In Order to Find Out the Failure Reason and What Parts Are Needed. All the Effort is To Limit the Problems and Make the Unit Work for You As Soon As Possible and There Will Be No Extra Charge.

What You Needs to Pay Attention to Installation

Understand to Save on Something but Not Everything.

In Order to Ensure Installation Quality and Validate the Factory Warranty, Must Hire Licensed HVAC Technician to Conduct Electricity and Refrigerant-Related Installation and Trouble-Shooting Work and Follow Related Local/DOE/EPA Codes and Laws.

Shall Contact Your Licensed HVAC Technician to Determine What Portion Can be Done Do-it-Yourself (DIY) and Save Some Money. DIY Installation Varies Upon Many Factors. DIY Installation May Succeed, but May Be Taking Chance and/or Running DIY

Decision Maker's Own Risks and Is NOT Guaranteed and Endorsed by the Manufacturer.

Will Not Pay your Technician in Full, Until at Least 30 Days after All Installation is Finished and Unit(s) Work Properly.

What You Need to Know During Installation or Operation

Cover the Interconnecting Pipes Before Pulling through Structures, to Keep from Dust, Debris and Other Foreign Substances Entering and Damaging the Refrigeration System.

Vacuum and Conduct Leakage Check for the Interconnecting Pipes and Indoor Unit. If There is Any Leakage, Need to Find it and Fix It.

Must Make Sure the System is Sealed Tight without Any Leakage Potential, before Releasing Refrigerant from the Condensing Unit to the Interconnecting Pipes and Indoor Unit.

For Technical Questions, In Order to Help You Out Timely, You Shall Have the Licensed Technician/Installer, Instead of Yourself, Check What is Going on before Talking to the Sales Distributor and/or Manufacturer Technical Support from Your Job Site.

For Product Pricing and Product Availability, You Shall Talk with Sales.

For How to Use the Unit or Need Any Parts, You Shall Read the Manuals or Go Online or Contact Your Sales/Customer Service at Distributor, if Not Available, then Contact Customer Service/Support at Manufacturer, via the Contact Information Printed in the Manual and/or Unit.

What You Need to Know Before Your Contractor/ Technician Finishes the Installation

Witness the Contractor/Technician to Check the System Thoroughly and All Functions and Make Sure All Are Good.

Have the Contractor/Technician Sign on the Paperwork.

Don't Pay to the Contractor/Technician in Full Until the Whole System Works Smoothly Fine without Any Problem for at Least 30 Days.

Tell the Contractor/Technician that They Need to Come to the Job Site to Check the System, if There is Anything Not Right.

Tell the Contractor/Technician that They, not the Customer/End User, Will be the One to Talk to the Technical Support, Technically, if There is Anything Not Right.

What You Need to Know about Warranty

If the Units are Installed Properly, Following Manufacturer Instructions, by Licensed HVAC Technician, the Units are Covered with a Standard Warranty which Covers 5-year Compressor and 1-year Other Parts Only.

In Standard Warranty, No Labor is Included.

Extended Warranty shall be Purchased at Original Unit Ordering, at Extra Cost to Cover More Years of Parts and/or Labor.

Units/Parts Shipping is Ground Only. Expedited Express Shipping Shall be Requested in Writing at Extra Cost.

IMPORTANT NOTES

- * Good unit may not work properly or correctly. as designed or manufactured, if not installed properly or correctly.
- * Customer do-it-yourself (DIY) installation caused and/or will cause trouble to the unit and your property and yourself.
- * YMGI doesn't allow nor recommend nor honor warranty for DIY installation. Customers take full responsibility for DIY installation.
- * DIY installation may save money at the front, but cost you more down the road, money and other headache.

SAFETY CAUTIONS AND ALERTS

Installation, Operation, Maintenance, and Service shall follow professional standards and practices for conventional cooling and heating equipment, under International, National, State, City or Local Codes, and follow guidelines listed in all related manuals and associated product information provided directly, from YMGI. Failure to adhere to proper Installation, Operation, Maintenance, and Service could result in unit malfunction damage to equipment, personal property, or physical injury, or even death, which YMGI is not responsible for.

Installation must be performed following the YMGI Installation/Maintenance Manuals.

Installation must be performed by a certified technical installer only. DO NOT attempt to install the unit by yourself trying to save money. **Do-It-Yourself (DIY)** installation will void YMGI provided warranty and could result in injury or death, or property damage due to fire, electrical shock, leaking, collapsing, which YMGI is not responsible for.

Install the unit onto a strong load bearing structure. The location must be capable of handling the weight load of the unit to prevent the unit from falling or causing injury. Attach both the indoor and outdoor units to the brackets that are fixed to the right position securely.

Only use manufacturer specified and codes allowed wires and conduits to connect to the units so the stress is not applied to the sections. Incomplete connecting and insecure fixing could cause fire or damage.

Wiring must conform to national regulations. Failure to adhere to these standards could result in personal injury or death or property damage due to fire, electrical shock, falling units, or leaking.

Connect the power cord directly to a designated and exclusive AC Power Circuit Breaker and or Disconnect Switch. The circuit must exceed permissible currents and is free of insulation and contact defects. Shall refrain from intermediate or multiple connections to avoid fire or electric shock.

DO NOT supply power until all wiring and tubing is checked completely.

Double check for gas leaks during or after installation. The refrigerant gas may cause harmful substances when subjected to heat or fire. Refrigerant leakage will cause unit not to generate enough cooling or heating and even damage compressors and other parts.

Shut off the main power prior to and during installation to avoid electrical shock. Make sure that the electrical power is disconnected from the unit by making a notice or put a sign at the power switch panel, to keep other people from setting the power back during installation.

Connect all wiring securely. Any loose wire or other bad contact may cause an electrical arc, overheating, or fire hazard. Make sure that the unit is grounded following YMGI Instructions and NEC, International, State, City, and Local Codes. Electrical cover shall be securely attached to the indoor and outdoor unit service panels, otherwise, could result in fire or electric shock due to accumulation of dust, sediments, water, moisture, etc.

Only use authorized YMGI parts in the installation, maintenance, service, and repair of YMGI units. The use of non-authorized or defective parts will void the warranty and could cause injury or death or property damage due to water leakage, falling units, fire, electric shock, etc.

Pay extreme caution to interconnecting refrigerant copper tubing, when installing or relocating the unit. Make sure that no other substance than the specified refrigerant enters the refrigeration circuit. Any presence of foreign substances such as air or water or moisture can cause an abnormal pressure rise or overheat, which will result in an inefficient unit performance or unit malfunctions, and will shorten unit lifetime.

Pay extreme caution to interconnecting refrigerant copper tubing when installing or relocating split system, as applicable.
1) Make sure that no substance other than the specified refrigerant enters the refrigeration circuit. Any presence of foreign substances such as air or water or moisture can cause an abnormal pressure or overheat which will result in an inefficient unit performance or unit malfunction and will shorten the longevity of the unit.
2) Tape two ends of the copper tubing, tape the wires for the corresponding indoor unit to the copper tubing, and mark well with either A, B, C or D to identify each copper tubing/wiring bundle. Do not cross wire or mismatch tubing among indoor units of the multiple zone systems. Connect the electrical wiring and copper tubing from each zone of indoor unit to the corresponding wiring and copper tubing connections of the corresponding outdoor section (at outdoor condensing unit). Failure to do so will cause unit malfunctions, or damages to the compressors and other parts in the unit and even property or personal injuries.



IMPORTANT NOTES

YMGI LIABILITY DISCLAIMER

YMGI is NOT and shall NOT be responsible for any problems due to customer do it yourself(DIY) installation, non-licensed installation, and other unprofessional, incorrect, incomplete installation, abuse to the unit, or abnormal usage which would be considered outside normal constraints, or recommended ranges, and natural disasters such as fire, flood, earthquake, lighting, or others similar.

YMGI IS NOT AND SHALL NOT BE RESPONSIBLE FOR:

Damage to the units or property or person due to careless, or incautious, or rough handling at job site, such as pulling wires or pipes or plastic parts too hard, dropping units, robbing unit surfaces, and etc.

Damage to the units or property or person due to unprofessional or incorrect or incomplete mechanical installation of units. Examples, not limited to, are: sharp bending, not finding kinks, cracking or deterioration of connecting pipes, unevenly sitting units, not securing the units, not cleaning or leaving dirty inside of or not tightening interconnecting pipes, not finding refrigerant or water leakage, not vacuuming, not opening

refrigerant stopping valves at condensing units, not checking pressures, not covering bared refrigerant pipes and connections, not taping wire connections, not sealing drain pipe connections, incorrect piping such as crossing piping among multiple zones, and etc.

Accumulated costs, services, or disasters due to unprofessional or incorrect or incomplete installation, or abnormal usage of the units.

Under performance or damage to the unit, property or person, at low vacuum level due to unprofessional or incautious or bad installation, or damage to the unit or interconnecting pipes after installation and during usage.

Under performance or damage due to exceeding the recommended distances or elevation levels between indoor and outdoor units.

Under performance or damage due to the presence of any foreign substances left inside refrigeration pipes.

Under performance or damage due to the materials left in the air-conditioner during installation.

Under performance due to poor installation or abnormal usage in other formats.

Water leakage problems due to incorrect or poor installation or unsealed drain hoses.

Damage due to refrigerant or oil leakage as a result of unsuccessful pipe installation or damage to the unit and or pipes during or after installation.

Damage due to supplying power before all wiring and tubing is completely finished and checked.

Damage due to not keeping units in the right positions during handling, installation or operation.

Damage to the units or property or person due to customer do it yourself(DIY) installation, non-licensed installation, and other unprofessional or incorrect or incomplete mechanical or electrical installation not mentioned above.

Damage to the units or property or person due to any other Improper Usage not conforming to YMGI user regulations, user operation manuals and factory recommendations.

Under performance or damage due to operating the air conditioning system under poor physical conditions such as anywhere there is airflow blockage, too much sunshine, too much corrosive gas or the sort.

Under performance or damage due to the Usage outside the YMGI recommended operation ambient conditions including proper temperature and humidity ranges.

Under performance or damage due to the undersized or oversized unit selection, improper design, incorrect unit anticipation, and the sort.

Damage due to not grounding or poorly grounding unit, incorrectly wiring units, loose or unsecured wiring, or other bad contact which may cause an electrical arc, overheating, or fire hazard.

Damage or repairs required as a consequence of faulty installation or application.

Damage due to failure to start as a consequence of exceeding recommended voltage ranges (too low or too high), blown fuses, open circuit breakers.

Damage due to the inadequacy or interruption of electrical service.

Damage or repairs needed as a consequence of any misapplication, abuse, improper servicing, unauthorized alteration, or improper operation.

Damage due to the usage of parts not supplied or designated by YMGI Group.

Damage to the unit, property, and/or person of whatever kind, direct or indirect, special or consequential, resulting from the improper installation or usage of such products.



Damage from the units installed and operated outside **USA or Canada**.



Damage as a result of floods, winds, fires, lightening, accidents, corrosive atmosphere, or other conditions beyond the control of YMGI Group.

IMPORTANT NOTES

SAFETY WARNINGS

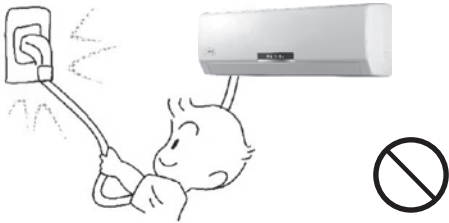
READ THESE SAFETY WARNINGS COMPLETELY PRIOR TO ANY USE

	Ground connection
	Disconnect the plug

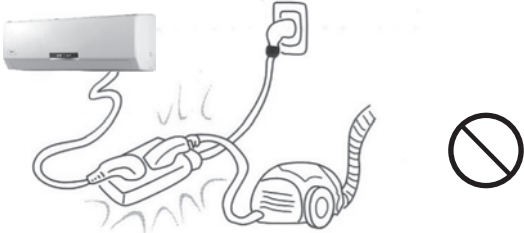
	Forbidden
	Imperative

These precautions are essential and must be strictly observed.

DO NOT draw on the power cord or refrigeration lines. Install them in secured positions. Plastic cover of line set is recommended.



DO NOT use smaller than enough wires. Do not put several circuits to one breaker. Don't use smaller than enough circuit breakers. Otherwise power failure or fire may be caused.



DO NOT pull on the power cord or refrigeration lines. Install them in a secured position. A line set plastic cover is recommended.

DO NOT install the unit in places where there is exposure to flammable materials or gas leakage.

DO NOT use wire or circuit breakers that do not meet electrical safety standards. Several circuits cannot be connected to one breaker.

DO NOT wire or open the unit while it is running. Make sure to shut off all circuits prior to inspecting or servicing the unit.

DO NOT install unit in a damp laundry room or near flammable gas. All units must be protected by certified electrical circuit breakers and in accordance with all safety codes.

DO NOT use the unit in cool or dry mode for prolonged periods where humidity is higher than 80%.

DO NOT blow the cold air directly towards people for prolonged period. Otherwise, people may get cold.



DO NOT wire or open unit while unit is running. Sparks or fire may occur. It may cause a shock to people.



DO NOT install the indoor unit close to cooking surfaces or ventilation systems. Poor placement could inhibit peak performance.

DO NOT blow cold air directly towards people for extended periods.

DO NOT use chemical solvents, flammable insecticides, or abrasive materials. Clean the unit only with a soft dry cloth or rag.

DO NOT continue to operate the unit if there is any abnormal odor, burning, scorching, or smoke. Stop and disconnect the unit immediately.

DO NOT use the system for anything other than what it was designed for or any non-HVAC purposes. Do not store near food, paint, or other chemicals.

DO NOT operate the unit for prolonged periods without refreshing ambient air. Opening a door or window periodically will suffice.

BRIEF INTRODUCTION TO MINI SPLIT WALL MOUNT SYSTEM

Mini Split Wall Mount Systems are designed for high performance, easy installation and service. Each system consists of one or several indoor units and one outdoor unit, which are connected by one set or several multiple sets of interconnection refrigerant pipes and electric wires.

As shown in the following sample picture of outdoor unit, air is drawn through the coil from the rear side and then discharged from the front side. In cooling mode, air passing through coil is heated; in heating mode, air passing through coil is cooled.



Sample Wall Mount Mini Split System (For Continuous Engineering Improvement and Various Marketing Needs and Actual Part Availability Reason, Unit Appearance Subject to Change or Update Continuously without Prior Notice)

Outdoor unit(s) provides the electrical and thermal power for the whole system. Electrical and thermal components such as compressors and motors and heat exchange coils and others, are incorporated into the cabinet in an optimized order. They can be either hung on the wall or installed on the ground. Once stacking or bracket kit is used, some outdoor units can be stacked 2 or 3 units high, upon unit size and applications. Air is discharged horizontally, quietly and smoothly. These units are perfect fit in locations where installation and applications of general up-flow condensing units are limited, such as apartments, condos, lofts, multi-families and high-rise buildings and others named or unnamed.

Indoor unit(s) delivers the thermal and acoustical comfort to the rooms. Air is drawn through the coil from the front or topside and then discharged from the bottom. In cooling mode, air passing through coil is cooled; in heating mode, air passing through coil is heated. Air is filtered or treated by the built in mechanism (washable or enzyme equipped or electrostatic powered filter, varies from model to model), before being delivered into the room, with more than enough comfort and care, at a wide angle (swing or not, varies from model to model).



Apartments Hotels Homes
Application Samples of Wall Mount Mini Split Systems

NOTES: Since ductless system is not designed to incorporate or use with ducted return or discharge tunnels, one single-zone unit SHALL NOT be used to take care of the cooling or heating load of more than one-story room. Several single-zone ductless systems or multiple-zone ductless systems shall be proper in this regard.

These units are designed for applications at:

- * Residential
- * Institutional
- * Commercial
- * Light commercial
- * Industrial
- * Hospital

IMPORTANT NOTES FOR UNIT OPERATION ABMIENT & SIZING

Since the outdoor units can be installed on a wall or balcony (close to the indoor unit) the following are some benefits for contractors and customers:

- * Indoor unit operates much quieter than air diffuser of central air conditioning system.
- * Stylish design of indoor unit adds beauty to rooms.
- * Connection pipe, refrigerant usage is much saved compared to installing up-flow condensing units on the ground and long copper/wire lines needed between indoor and outdoor units.
- * Contractor work is eased and time is saved.
- * Efficiency and lifetime of system is increased.

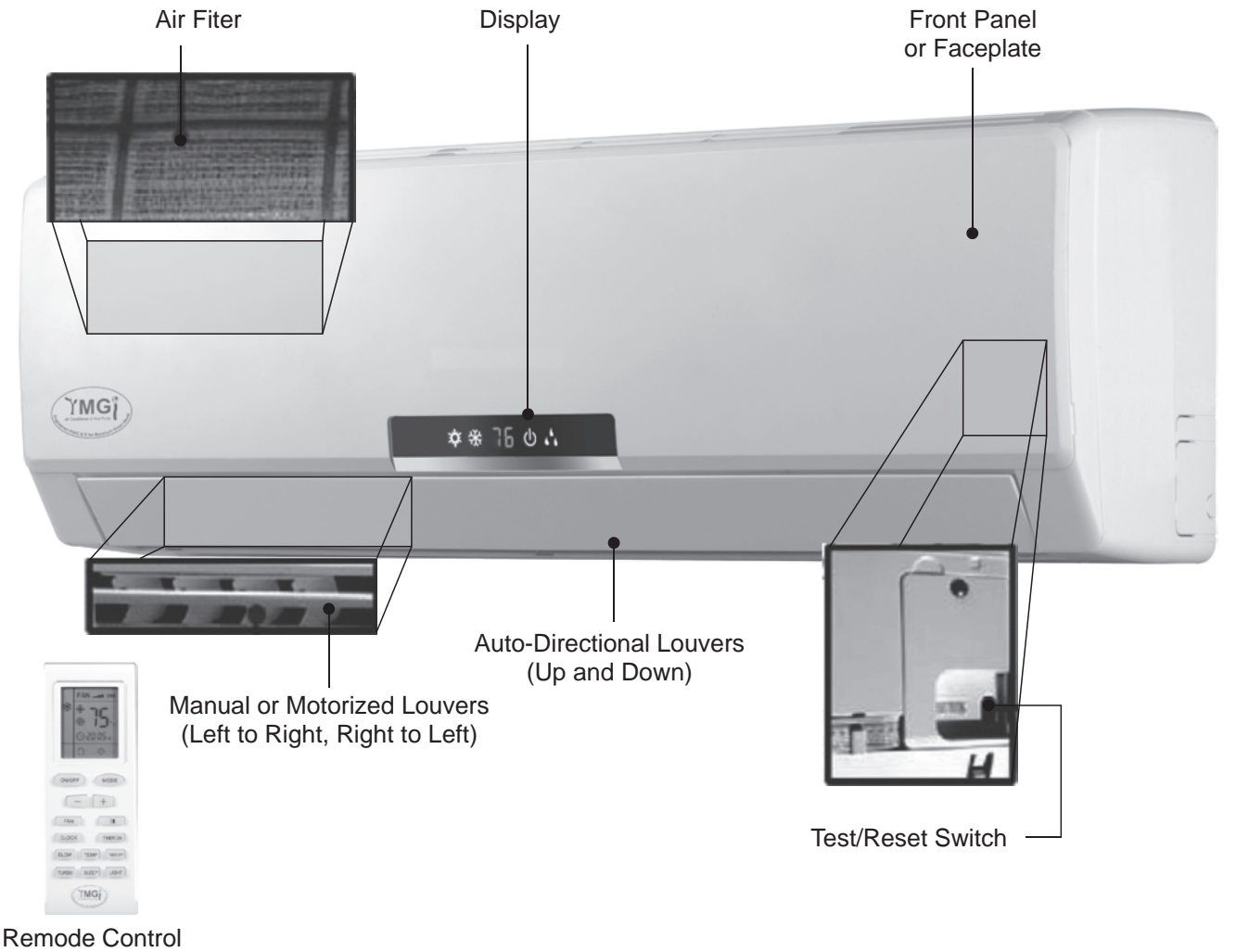
Mini Split Wall Mount Systems come with three types: cooling only and heat pump and heat pump with electric heater. These units can be easily wired. Either indoor unit or outdoor unit can be used with any matched comparable outdoor unit or indoor unit as long as they have matched size and control. Must refer to electrician before doing so.

Each system is thoroughly tested before leaving the factory. Each unit is acoustically, thermally and systematically designed to give optimum quality and reliability.

Find the cooling/heating load capacity of the space where the unit will be in service. Select matched WMMS units for the space. Under sizing or over sizing equipment is NOT recommended.

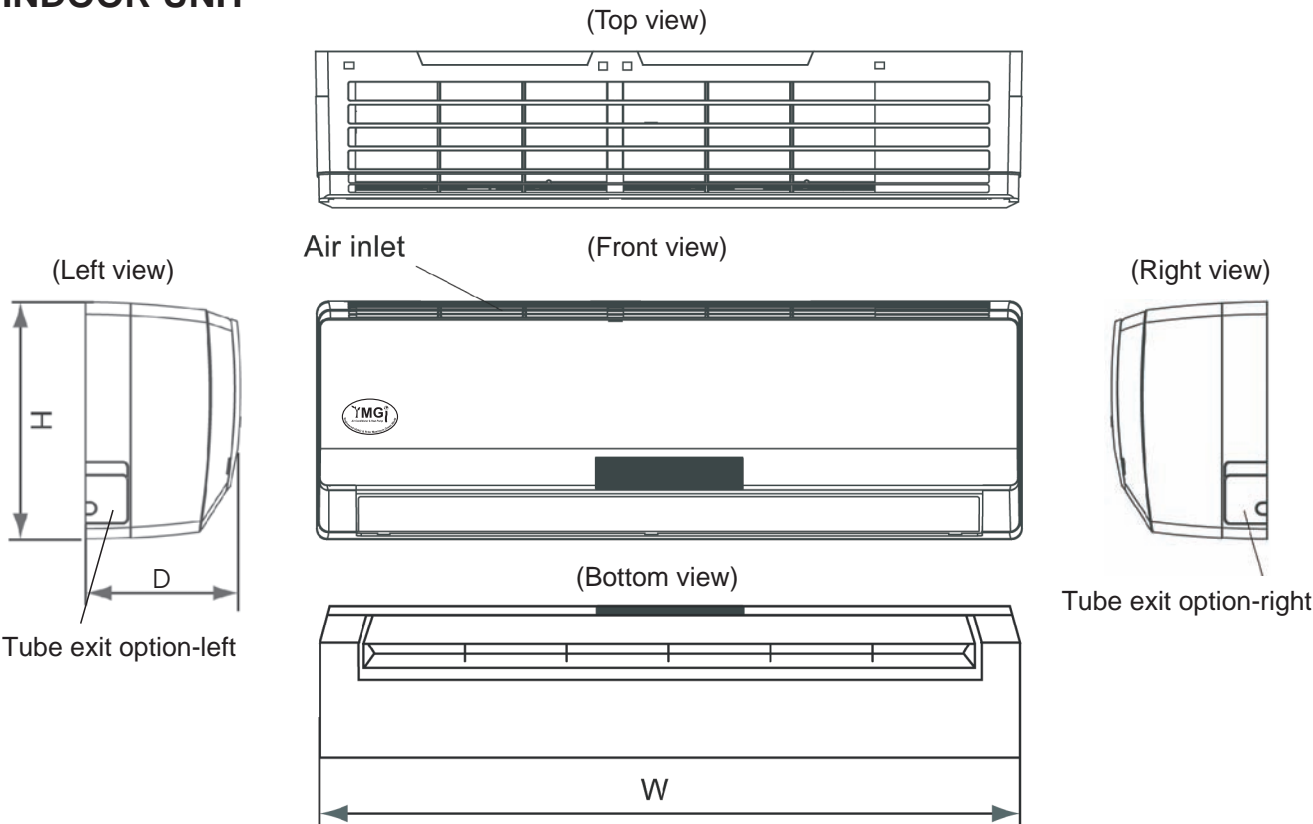
UNIT ENGINEERING SUBMITTALS-MECHANIAL

INDOOR UNIT-MAJOR COMPONENTS



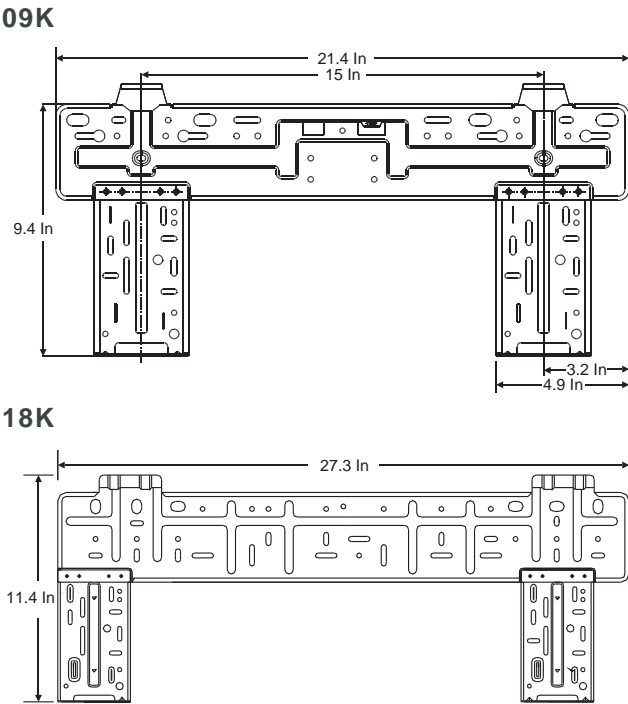
UNIT ENGINEERING SUBMITTALS-MECHANIAL

INDOOR UNIT



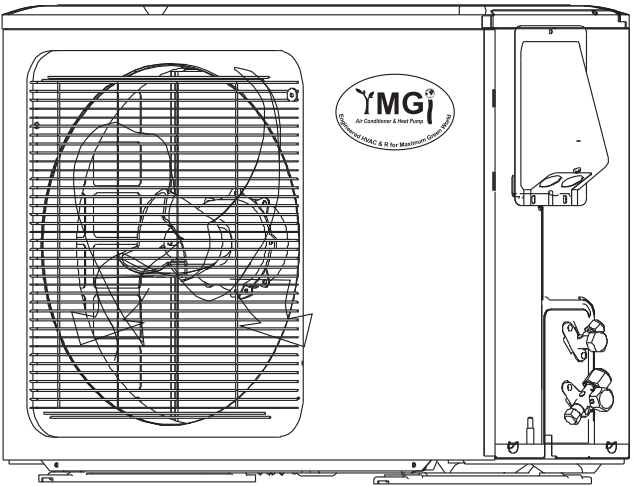
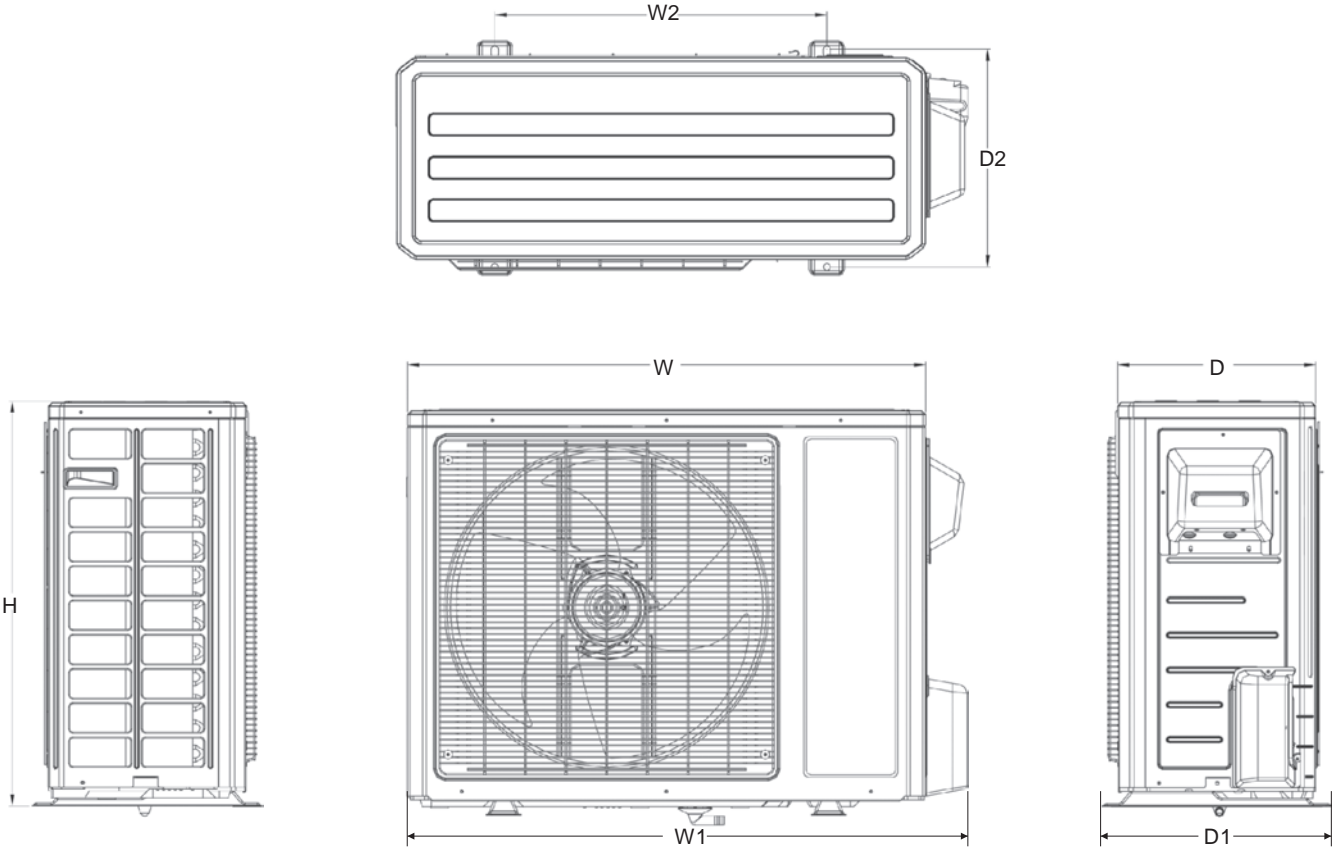
Unit Model	Dimensions (In)			Weight (Lbs)	
	W	H	D	Net	Operation
09K	33.3	10.8	7.1	24	25
12K	33.3	10.8	7.1	24	25

Unit Model	Dimensions (In)			Weight (Lbs)	
	W	H	D	Net	Operation
18K	37.0	11.7	7.9	28.3	31
24K	39.7	12.4	8.6	35.3	38



UNIT ENGINEERING SUBMITTALS - MECHANICAL

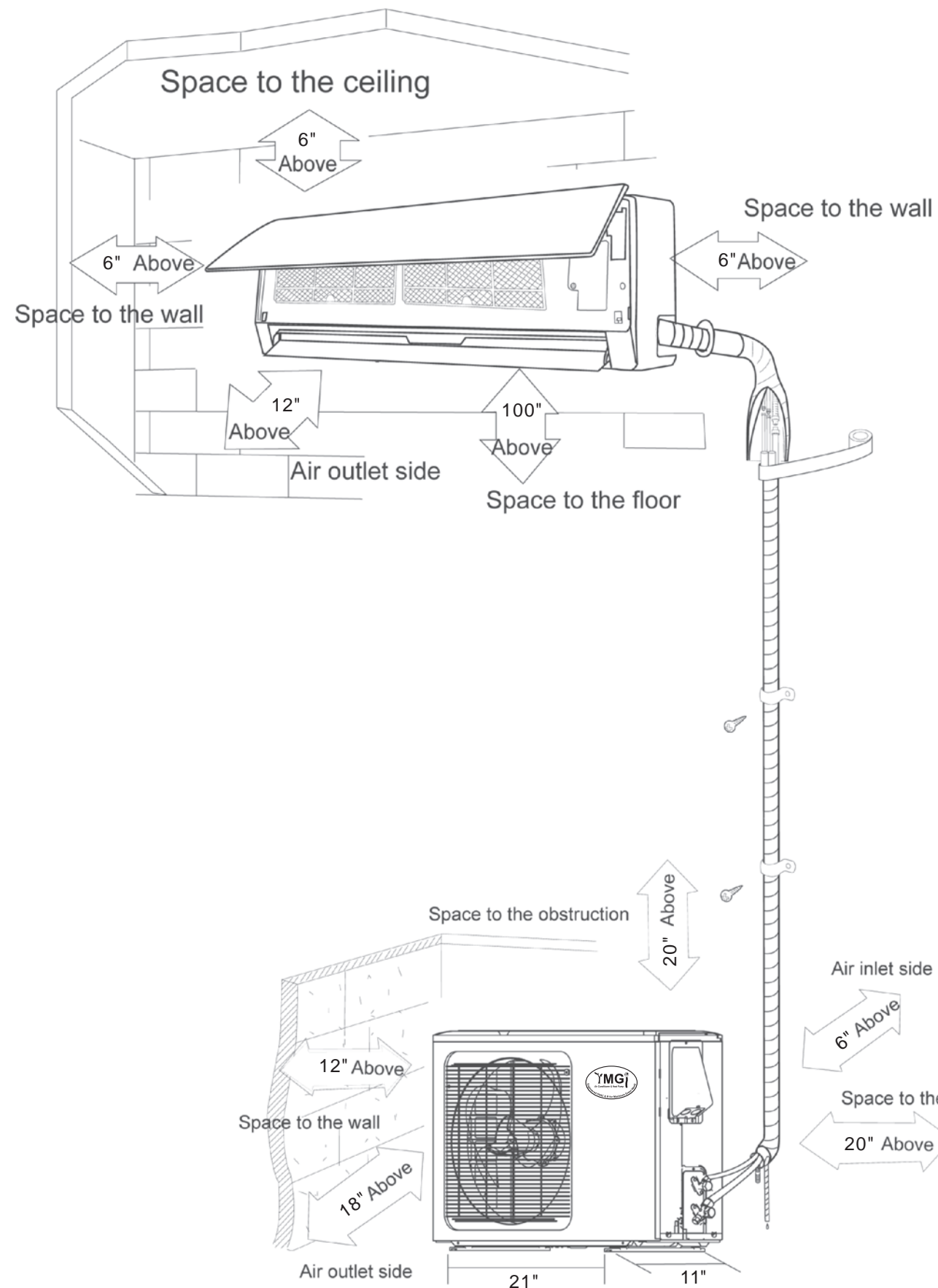
OUTDOOR UNIT



Unit Model	Dimensions (In)							Weight (Lbs)	
	W	W1	W2	H	D	D1	D2	Net	Operation
09K	30	33.4	21.3	21.3	10.1	12.6	11.3	79	82
12K	30	33.4	21.3	21.3	10.1	12.6	11.3	88	92
18K	35.0	37.9	22.0	27.6	13.4	15.6	11.5	110	115
24K	36.2	39.4	24.0	31.1	14.6	16.8	15.7	119	125



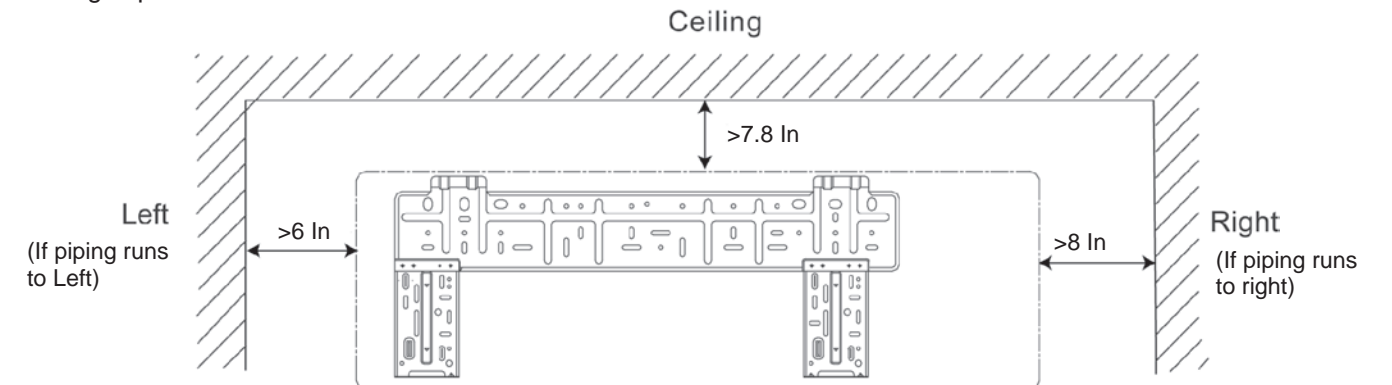
INSTALLATION CLEARANCE REQUIREMENTS GENERAL



INSTALLATION POSITIONS FOR INDOOR UNIT

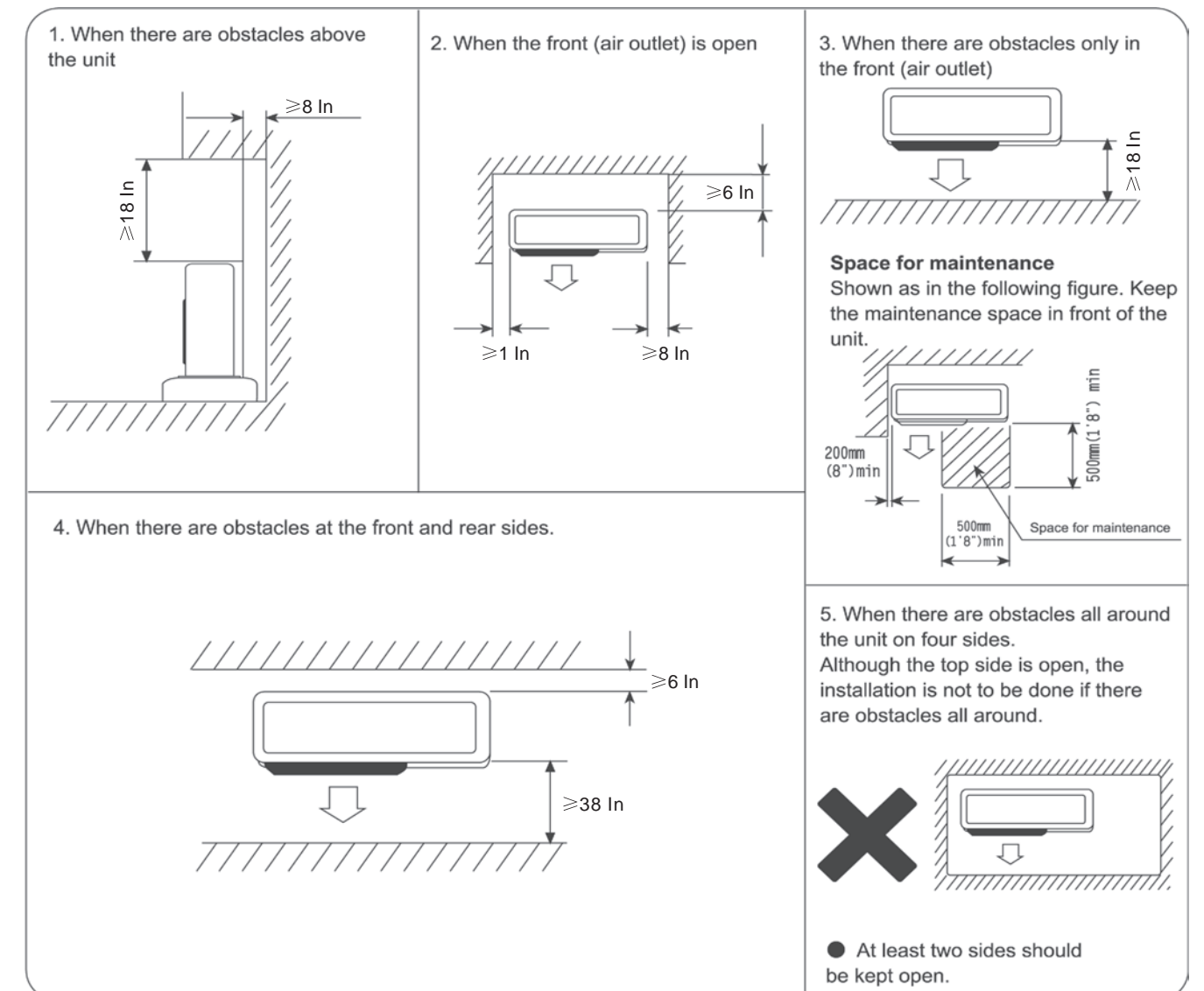
MAKE SURE OF ENOUGH SPACE FOR INSTALLATION AND MAINTENANCE

To take into consideration the operational convenience and safety in installation, it is recommended to ensure enough space between the unit and the walls.



Attention: If there are some additional function devices to install on the unit, be sure add to the installation space for the function devices.

INSTALLATION CLEARANCE REQUIREMENTS AROUND THE OUTDOOR UNIT



INTRODUCTION

INSTALLATION LOCATIONS

The location and structure shall also be convenient for both installation and service.

The location shall NOT be where discharge air and noise could bother your neighbor.

The location shall NOT be somewhere drain may cause any damage to property or bother the neighbor.

The location shall NOT be somewhere soldering or torching work may cause fire or smoke to the materials around.

The location shall NOT be somewhere near flammable gases.

The location shall NOT be in or close to corrosive gases.

The location shall NOT be somewhere children can access.

Inspan the unit for damage and missed parts or accessories. If damage is found or parts are found missing, call the distributor right away.

Spin fan wheels or blades to check if and make sure they can rotate freely. If fan wheel scratches with housing, call the distributor right away and do not to proceed with the installation before it is fixed.

Check the unit to make sure no foreign materials has been left in the unit.

Check all the parts and accessories that are needed other than those provided with the unit. It is strongly recommended to only use YMGI supplied or recommended parts and accessories.

Be sure a properly sized circuit breaker is for the electric power to the units.

Pre-build the support platform on the ground or bracket for the wall before or during construction and before installation. Refer to the table below for footprint dimensions.

Read installation instructions of all units thoroughly.

Ask rep./distributor/us anything you are not sure about.

Get your tools and parts ready for installation.

⚠ CAUTION All Units Shall Be Installed by Licensed Contractor or Technician.

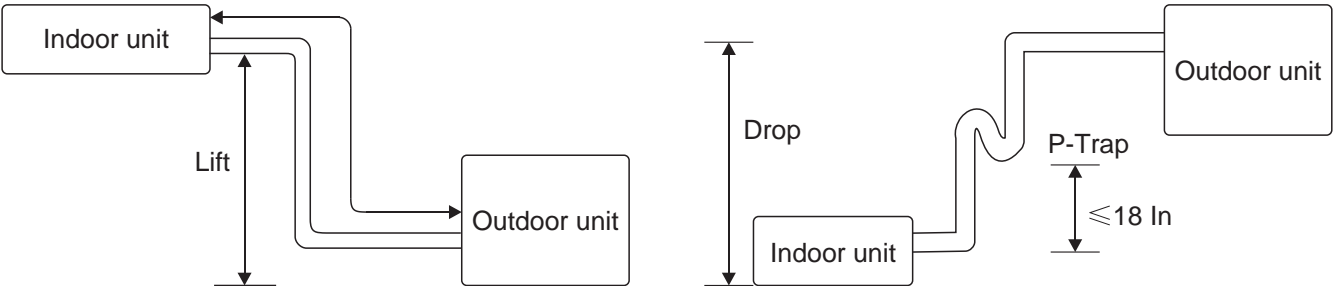
⚠ CAUTION Read Manuals before Installation.

INSTALLATION POSITIONS FOR OUTDOOR UNIT

- * To be installed at the position where the air delivered from the unit can reach every comer of the room.
- * To avoid being affected by the outdoor air.
- * To avoid blockage to the air inlet or outlet of the unit.
- * To avoid too much oil smoke or steam.
- * To avoid possible generation, inflow, lingering or leakage of flammable gases.
- * To avoid high-frequency facilities (such as high frequency arc welders, etc.).
- * To avoid the places where acid solutions are frequently used.
- * To avoid the places where some special sprayers (sulfides) are frequently used.
- * Not to install on top of the musical instruments, TV, computer etc. valuable appliance.
- * Not to install a fire alarming device near the air outlet of the unit (during operation, the fire alarm device might be erroneously triggered by the warm air from the unit).

HEIGHT LIMITS OF INDOOR AND OUTDOOR UNITS

- * Either the indoor unit or the outdoor unit can be higher, but the height difference must comply the stated r equirements.
- * Try to reduce the bending of the piping line as much as possible so as to avoid possible negative impacts upon the performances of the units.
- * Make P-trap if elevation drop difference is more than 25", as illustrated below.



DURING INSTALLATION-INDOOR UNIT

INSTALL WALL MOUNT PLATE

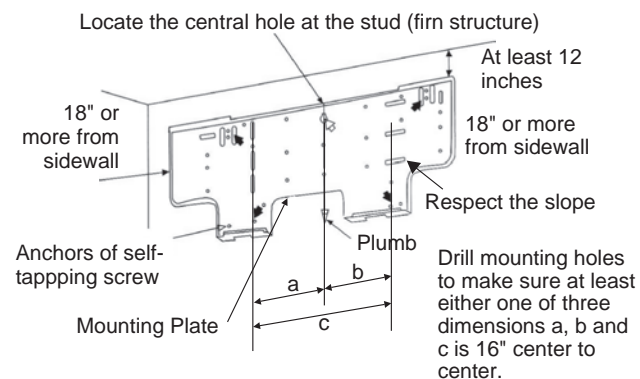
- * Check unit to make sure the unit is good shape and ready to install.
- * Check to make sure the installation location is firm enough to hold the weight of the whole unit and is convenient to installation, maintenance, service and close to the indoor unit but not causing noise or airflow issues to neighbour.
- * Install Indoor unit. Enough anchor bolts/nuts shall be used to secure mounting plates for indoor units. Brackets should be at level position.

Install Mounting Plate and Drill Hole for Combination of Copper Line/Wire Cable/Drain Hose

NOTES:

Anchors must be put into the holes, where the solid arrows are pointing, as shown above, to secure the mounting plate firmly and to hold the weight of indoor unit. If more screws/anchors are to be used, make sure to keep the two holes close to each other, at least 2 inches apart.

Mounting plate should be attached to the structural part of the wall. Minimum clearance, as shown below, is required in order to ensure proper airflow and enough service room.

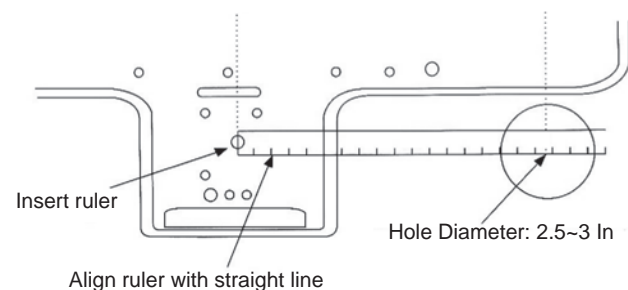


STEPS TO MOUNT PLATE:

- Mark drill positions. At least 4 anchor holes, one at each perimeter corner of the plate are needed to secure the plate, where the bold arrows are pointing, as shown in the picture above. Refer to the specification sheet for unit weight so that enough anchors are installed at proper positions.
- Pre-drill guiding holes where are marked for anchors or screws on the wall
- Confirm the position of the holes and finish drill to the depth needed for anchors (NOT for screws)
- Align mounting plate holes with those holes drilled on the wall and put anchors or screws into the holes to secure mounting plate.

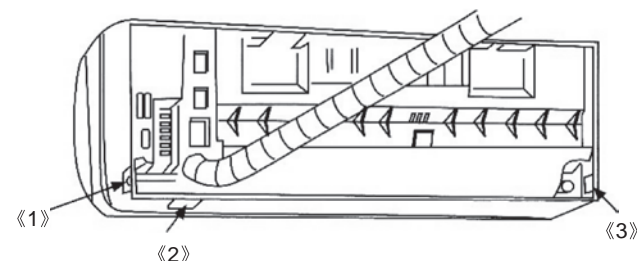
DRILL 3IN HOLE FOR PIPING/WIRING/DRAIN

- Locate the centre where the hole will need to be drilled.
- Drill the holes of 2.5-3Inch diameter. A down pitch about 1/4" per foot, as illustrated below, is needed for the hole, in order to drain the condensate properly.



PREPARE INDOOR UNIT- COPPER LINE SET/DRAIN HOSE

- If pipes need to come out of the right side (facing the front of indoor unit) of the indoor unit, snap off portion «1» on plastic casing.
- If pipes need to come out of the bottom side (facing the front of indoor unit) of the indoor unit, snap off portion «2» on plastic casing.
- If pipes need to come out of the left side (facing the front of indoor unit) of the indoor unit, snap off portion «3» on plastic casing.



DURING INSTALLATION-INDOOR UNIT

PREPARE INDOOR UNIT- COPPER LINE SET/DRAIN HOSE

- If pipes need to be rerouted to a different direction from the one preset at factory (towards left side, if facing the front cover of indoor unit), lay down the indoor unit on soft cushion or foam. Don't rub the plastic casing.
- In order to keep from pipe damage, need to bend the copper tubing set gently and slowly (finish bending no less than 10 seconds/90 degree), by holding at the root of the original 90 degree bend nicely and firmly. Don't rub two copper lines during bending. Better to cut off the insulation and bend the two pipes one by one, not two together.

- If pipes need to come out of the rear side (facing the front of indoor unit) of the indoor unit, no need to snap off anything.



Slice the insulation before bending.

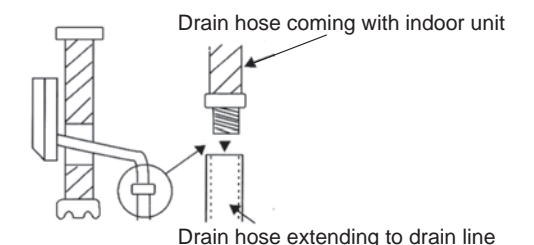


Hold the 90 degree bend root, bend one tube one time, slowly, no quicker than 10 seconds/90 degree bend.

INSTALL DRAIN PIPE AT INDOOR

- The drain hose must be placed beneath the copper pipes and MUST NOT be hunched or bended sharply.
- Do not pull the drain hose too hard, otherwise it may get broken.
- Before passing drain hose through the hold, wrap with insulation to keep from possible damage.
- The copper pipe and the drain hose must be wrapped by piping wrap.

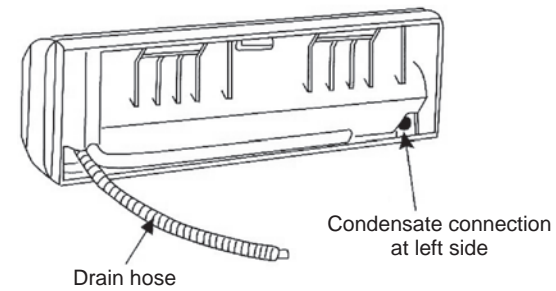
- Insulation pad (underlay) should be used where the pipe contacts the wall.



DURING INSTALLATION-INDOOR UNIT

REFIT DRAIN HOSE FROM THE RIGHT TO THE LEFT SIDE

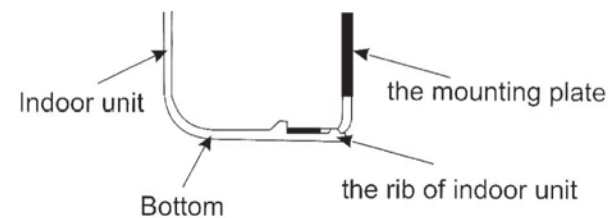
- If drain hose needs to be refitted from the original position (right side) to left side of the indoor unit, careful handling is very necessary.
- Refitting method: remove the drain hose from original position, without breaking hose. Unplug the plug at the left side. Apply water-resistant glue to fit the drain hose and the fitting before securing it.
- Apply water-resistant glue onto the plug and fit it back into the condensate connection at right side.



NOTES: May use some sort of clamp to double secure connections.

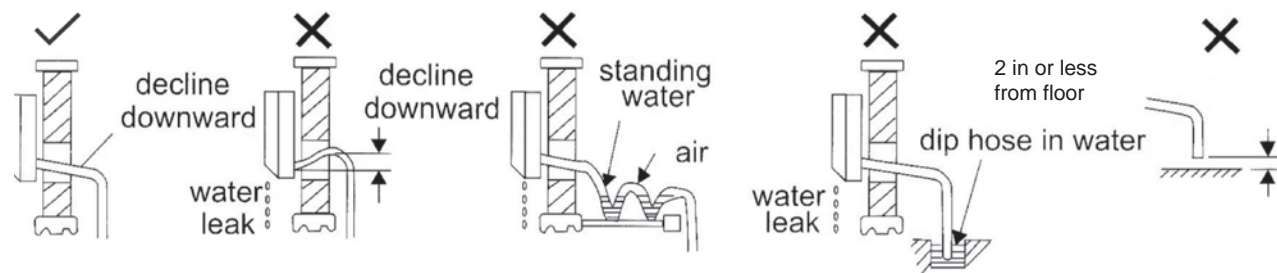
HANG INDOOR UNIT

- Run copper set/wire cables/drain hose through the wall hole and hang the indoor unit onto the mounting plate (place the hook on the mounting plate into the hanging rib at rear side of plastic casing).
- Snap the plastic casing bottom into the mounting plate, gently.



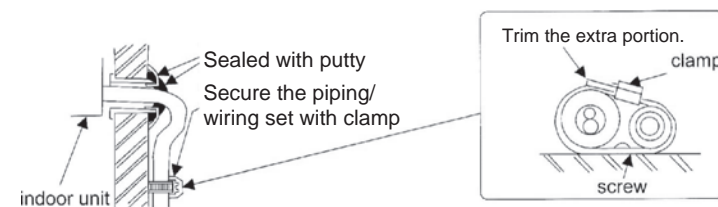
SHAPE THE DRAIN HOSE

- To drain the condensate easily, the drain hose should be inclined downward (pitched towards drain direction 1/4" per foot).
- Figures below from the 2nd to 5th show some incorrect practices.
- Drain hose may be extended using the hose coming with the installation list.



STUFF AND SEAL THE HOLE FOR COPPER LINE SET/WIRE CABLE/DRAIN HOSE

- Use putty to seal the wall hole.
- Use clamp (pipe fastener) to secure the pipe at specified position.

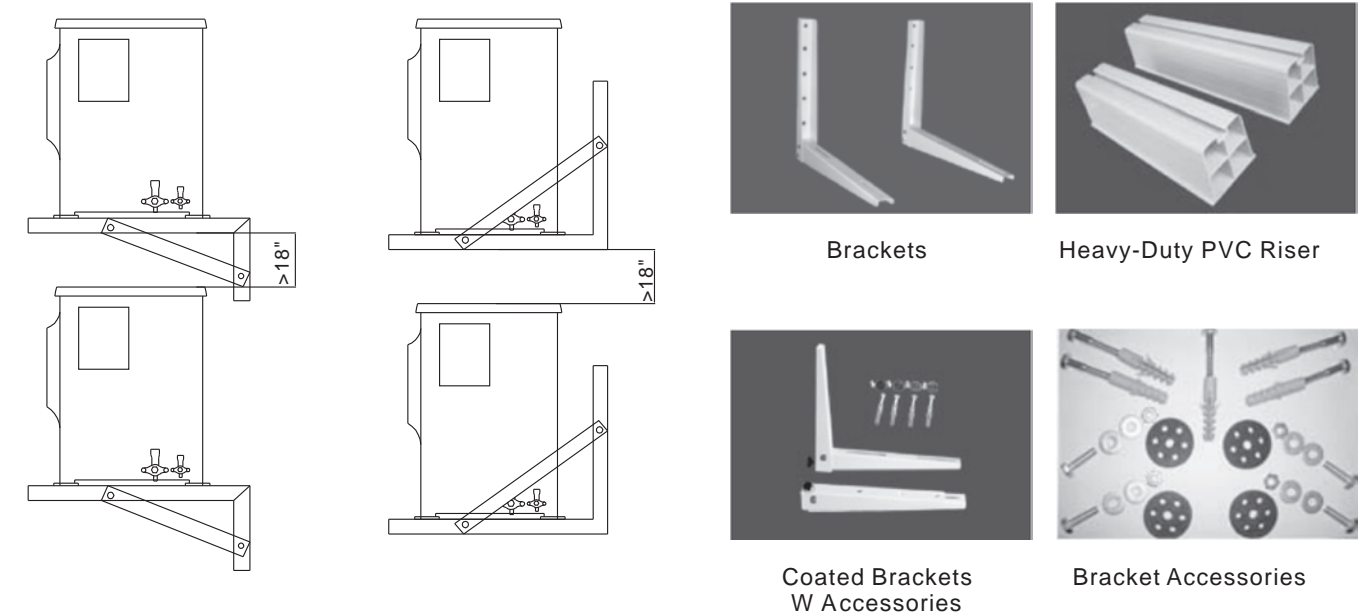


INSTALLATION-OUTDOOR UNIT

INSTALL OUTDOOR UNIT

Strongly suggest to install the outdoor unit above the ground either on platform or brackets as shown below. Heat pump unit must be lift up from ground level, since condensate must be drained out of the drain pan in condensing unit; otherwise, condensate may be iced up to damage the condensing unit.

Suggest to use YMGI-provided brackets and condensate drainage fitting accessories.



(Actual unit/parts looking/installation may vary from the illustrated)

INSTALLATION & PICTURES-WALL MOUNT BRACKET FOR OUTDOOR UNIT(S) (PART VARIES UPON MODELS/AVAILABILITY)

- Select a secured location where the outdoor unit will be installed properly.
- Orient the unit rear side (intake grill) towards wall and front side (discharge grill) away from wall.
- For ground installation, use factory-provided riser and accessories. Not to bolt unit feet directly onto ground. Riser or brackets shall be levelled at outdoor unit foot surfaces. Secure unit foot by tightening bolts, nuts and anti-vibration pads.
- For wall mount installation, use factory-provided brackets, anchors and accessories.

WIRING OUTDOOR UNIT

CONNECT WIRING BETWEEN OUTDOOR UNIT AND INDOOR UNIT

- Check the nameplate for rated electrical data.
- Check power and wire length and sizes. Use NEC, 105°C/221°F type copper wire. Refer to the following tables, for proper selection of wire gauge and colour.

OUTDOOR WIRING: OUTDOOR-INDOOR UNIT & DISCONNECT SWITCH BOX/CIRCUIT BREAKER/FUSE

- Remove the wiring diagram cover where also the handle for moving unit is located.
- Follow the wiring diagrams on the unit or the wiring diagram manual that comes with the indoor unit to get familiar with wiring and make sure nothing is made wrong. If there is any discrepancy, always use the one put in the units.
- Connect wires between indoor unit and outdoor unit-power wire from outdoor to Indoor, control wires from Indoor unit to outdoor unit. Pass wire through certified wire pipes, harnesses and knockouts. Enough length shall be left for future service. Only copper wire is allowed.
- Strictly follow NEC or state or local codes to select wires, circuit breaker, conduits and to perform installation work.
- Bring in line-voltage power input wires from circuit breaker to line-voltage wire terminal block at outdoor unit. Pass through certified wire pipes, harnesses and knockouts. Enough length shall be left for future service. Only copper wire is allowed.



Disconnect switch box for outdoor unit



(Field-Supplied, Not Spliced and Not Knotted, Water-Proof Sealed Tight, UL Approved)

PIPING AND WIRING SIZES

Model	Liquid/Gas Line	Min/Max.Length/ +/-Elevation	Power Wire Disconnect Switch Box to Outdoor Unit	Power/ Control Wire Outdoor to Indoor Unit	HVAC Circuit Breaker/Fuse AMP (to Outdoor Unit)
09K	1/4" & 3/8"	15/70/25/35	L/N/G, 115/1/60, 14AWG	N(1)/2/3/G, 115/1/60, 16AWG	20/25
12K	1/4" & 3/8"	15/70/25/35	L/N/G, 115/1/60, 14AWG	N(1)/2/3/G, 115/1/60, 16AWG	25
18K	1/4" & 1/2"	15/100/30/50	L1/L2/G, 208-230/1/60, 14AWG	N(1)/2/3/G, 208~230/1/60, 16AWG	20/25
24K	1/4" & 5/8"	15/100/30/50	L1/L2/G, 208-230/1/60, 14AWG	N(1)/2/3/G, 208~230/1/60, 16AWG	25

CONNECT REFRIGERANT PIPES BETWEEN INDOOR AND OUTDOOR UNITS

Firstly, connect copper tubes at indoor unit. Bend pipes by tools but not by hands. Extra length is needed for future service.

REFRIGERANT PIPES:

For distance other than 25' between indoor and horizontal venting condensing units, refer to the following table for copper sizes.

Refrigerant Valve and Pipe Size/Length

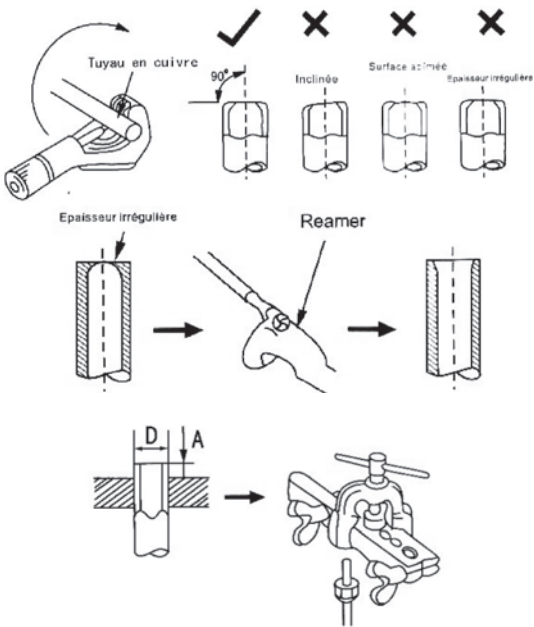
K Btu/h	Valve Size	Line Sizes at Different Length	
	Liq, Gas	15-35ft	36-60ft
09	1/4", 3/8"	1/4", 3/8"	1/4", 1/2"
12	1/4", 1/2"	1/4", 1/2"	3/8", 5/8"
18	1/4", 1/2"	1/4", 1/2"	3/8", 5/8"
24	1/4", 5/8"	1/4", 5/8"	3/8", 3/4"

CUT REFRIGERANT PIPE:

Make sure the pipe section where is to be cut is straight and smooth. Apply cutting blade straightly perpendicular to the pipe surface. Don't cut too fast or too hard. Turn and tighten the tube cutter slowly. Remove residual left at the cutting edge. The cutting edge should be clear and clean and smooth.

Running Interconnection Refrigerant Lines:

Use clean refrigeration grade of copper tubing only. Keep the copper lines from kinking and transmitting noise to walls, cabinets, etc. Not to exceed 100' with 35' of vertical lift included. Insulate the suction line with at least 3/8" thick insulation tubes. Band and tape and secure refrigerant lines. Support copper lines at proper distance apart to keep tubes from sagging.



CONNECT REFRIGERANT PIPES

Refrigerant Pipe Min/Max. Length, Rise and Drop Height

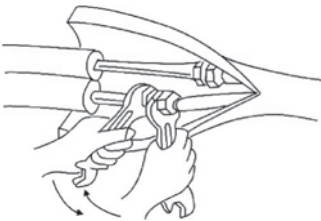
1,000 Btu/h	Min. Length (Ft.)	Max. Length (Ft.)	Max. Rise Height (Ft.)	Max. Drop Height (Ft.)
09	15	70	35	45
12	15	75	35	45
18	15	100	50	60
24	15	100	50	60

Connect Copper Pipes-Flare/nut Connection at Both Indoor and Outdoor Units

Proper torque shall be applied to make good connection at female nut, flare and male nut, as recommended in the following table. Too much torque may damage and break flare/nut seal. Too less torque may not ensure good seal. ALWAYS use a pair of wrenches.

Refrigerant Pipe Flare/Nut Connection Tightening Torque

Flare Nut	Tightening Torque
1/4-3/8"	25 Ft. LBs (350 Kgf.cm)
1/4-1/2"	40 Ft. LBs (560 Kgf.cm)
1/2-3/4"	60 Ft. LBs (840 Kgf.cm)
7/8-1 1/8"	110Ft. LBs (1540 Kgf.cm)

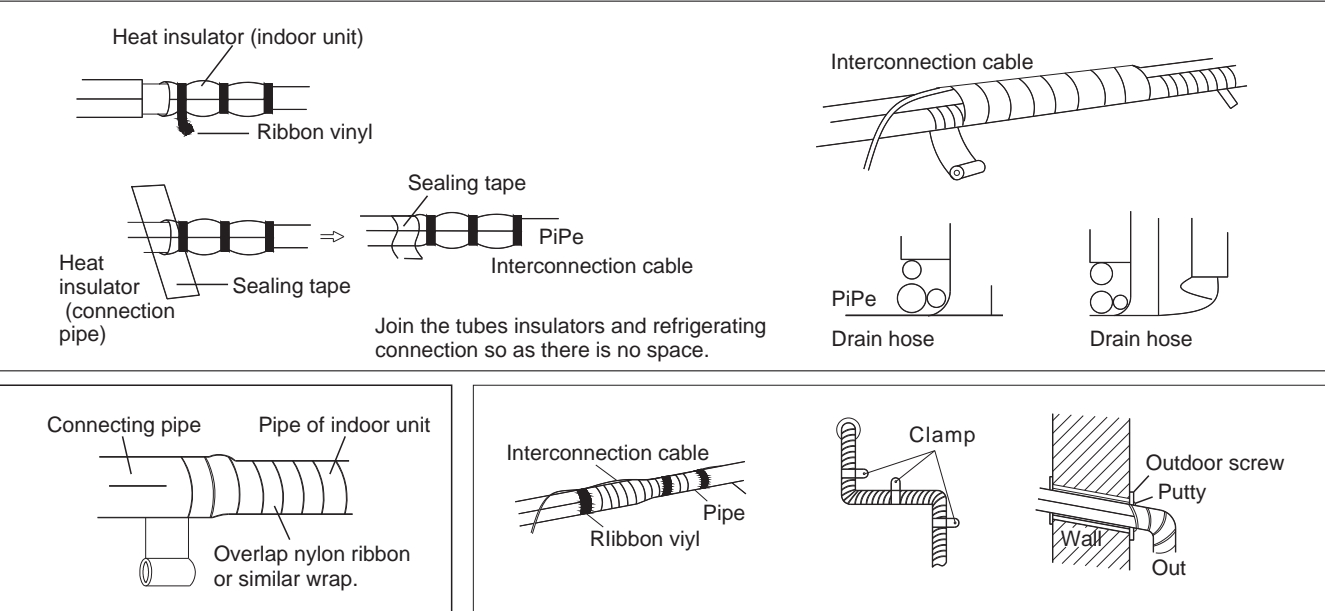


Connect Copper Pipes-Sweat Connection

In this case, put wet rag to protect valves or other components from being overheated. When using flux, rub the tube surface using steel wool to shine and clean to dry as so to keep to-be-sealed system from any possible contamination.

CONNECT REFRIGERANT PIPES BETWEEN INDOOR AND OUTDOOR UNITS

Seal Copper Line Set/Wire Cable/Drain Hose Line Combination



- * Run cables along with the refrigerating copper line sets and secure them with tapes at 6 feet apart.
- * Wrap tape closely (cover a third of the width of the nylon ribbon tape applied early) to get good seal.
- * Tape to seal the end of taping.
- * Shape the pipe combination gently, without causing kinking, sharp bending, or other damage to it.
- * Fix the pipe combination securely on the external wall with proper clamps, as drafted below, at 6 feet apart.
- * Fill the gap between the wall hole and wall sleeve to keep from rain or dust getting inside.

PIPING GUIDE

To keep the allowed bending radius, please make the packed soft pipes vertical for expanding.			Please do not expand only one side of the packed soft pipes.
Please make use of semicircle pulley to keep the allowed bending radius.			Extremely bending could damage the pipes.
Please use twisting wheel to avoid improper bending.			Over length soft pipes will lead to irregular bending.
Please use rigid elbow to keep the bending radius while soft pipes operating.			Undersize bending will damage the soft pipe.
Please keep the minimum bending radius while installing.			Short soft pipes will have them bending undersize, it's not allowed.

INSTALLATION ACCESSORIES

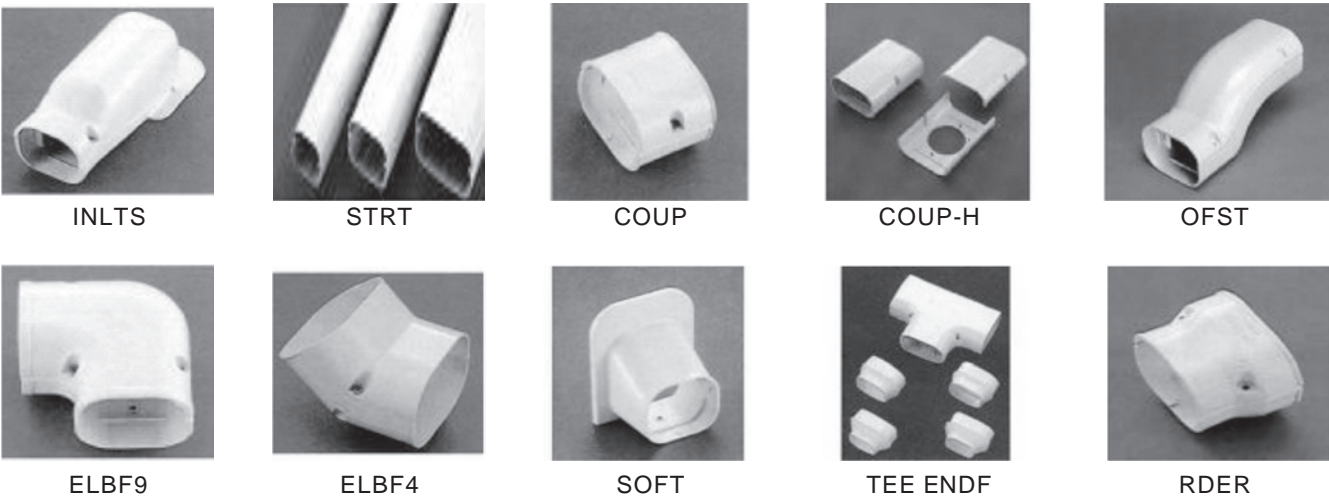
CONNECT REFRIGERANT PIPES

Seal Copper Line Set/Wire Cable/Drain Hose Line Combination:

- * Use factory-recommended components, as briefly illustrated below.
- * Cover line set in a sequence, either from indoor to outdoor, or the other way.
- * Secure line set covers onto the wall using factory-recommended accessories.

LINESET COVERS

CAUTION Not to damage line sets.

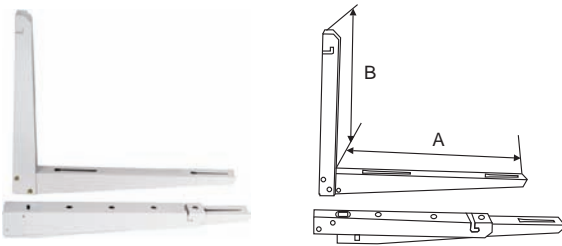


OUTDOOR UNIT FOOT RISER OR BRACKETS

BRKT-SC1

- * Made of sturdy steel.
- * Painted with weatherproof polyester powder.
- * Anchors/nuts/screws (general use) may be included.

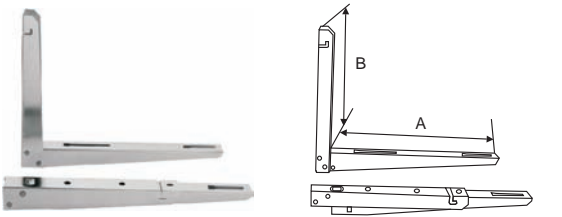
Model	Size(Inch)		Capacity	
	A	B	LBs	Btu/h
BRKT-0912-SC1	17.7	13.8	158	09K-12K
BRKT-1824-SC1	21.7	17.7	220	18K-24K
BRKT-2430-SC1	21.7	17.7	264	24K-30K
BRKT-3660-SC1	22.4	21.7	396	36K-60K



BRKT-ST1

- * Made of stainless steel.
- * Anchors/nuts/screws (general use) may be included.

Model	Size(Inch)		Capacity	
	A	B	LBs	Btu/h
BRKT-0912-ST1	17.7	13.8	158	09K-12K
BRKT-1824-ST1	21.7	17.7	220	18K-24K
BRKT-2430-ST1	21.7	17.7	264	24K-30K
BRKT-3660-ST1	22.4	21.7	396	36K-60K

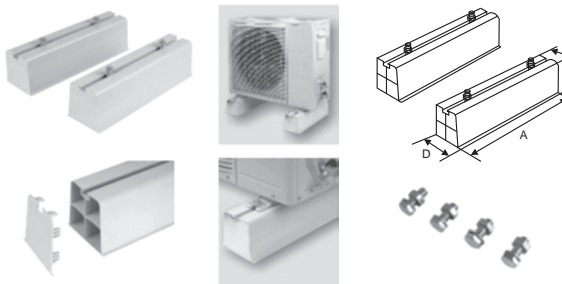


RIST-PVC

Ground Riser
Accessories: End Caps (Optional)

- * Shock-proof PVC, Weatherproof & UV resistant.
- * Supplied with fastening screws and anchor bolts.
- * Easy and quick to install on any ground surface.
- * The "honeycomb" structure acts as an anti-vibration & humming absorption for a quite operation.

Model	Size(Inch)				Capacity	
	A	B	C	D	LBs	Btu/h
RIST-0912-PVC	14.2	3.7	3.1	4.1	158	09K-18K
RIST-1860-PVC	17.7	3.7	3.1	4.1	220	18K-60K

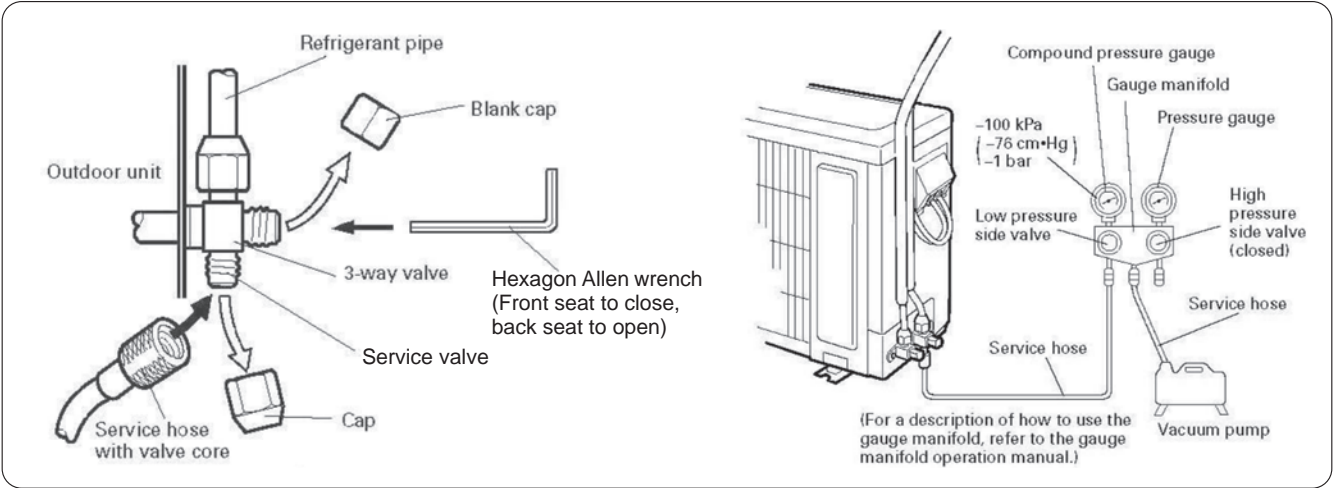


DURING INSTALLATION

VACUUM REFRIGERANT PIPES

Evacuate the pipes between indoor and outdoor units, using vacuum pump and manifold/gauge set, to a minimum of 500 microns (service valves remain front seated). Hold for 30 minutes to check if the vacuum level is maintained. Using dry nitrogen or other leakage detection tool for leak checking. Be certain there is no pressure in the system when repairing a leak.

Vacuum before Releasing Refrigerant from Outdoor Unit to Indoor Unit.

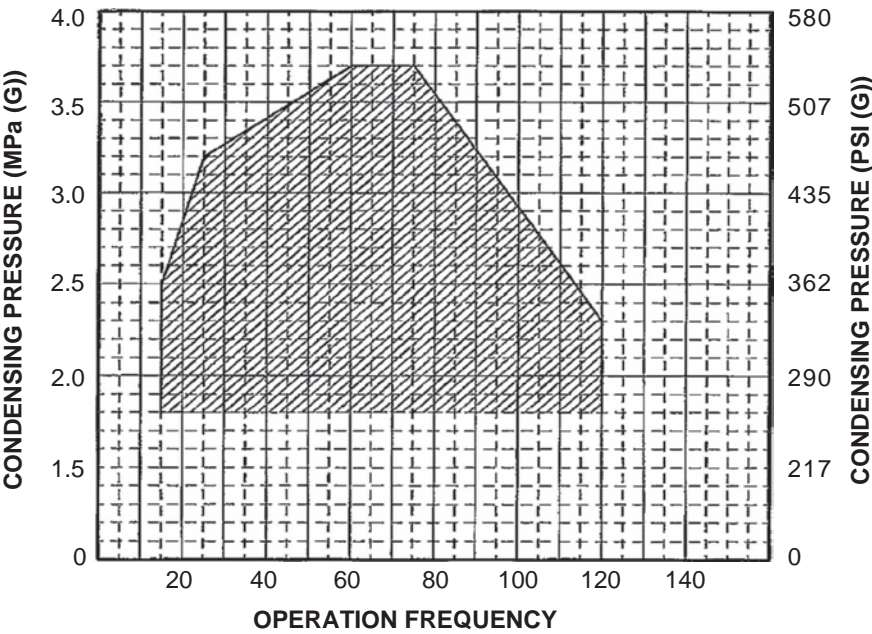


SYSTEM INSPECTION AND TRIAL RUNNING

PRESSURE CHECKING

System pressure checking is one of the basics to find out the status of system performance and diagnose any problems.

The following curves are only reference for system pressure checking. Actual pressures may vary upon many factors such as inter-connecting pipe length, refrigerant charge / leakage level, elevation difference between indoor unit and outdoor unit, tool calibration, reading error, and so on.



Warning:
R410A refrigerant bears higher pressures than R22. Only handled by Licensed HVAC technician.

CHECK AFTER INSTALLATION AND TEST OPERATION

CHECK AFTER INSTALLATION

Items to be checked	Possible malfunction
Has the been unit positioned firmly?	The unit may drop, shake or emit noise.
Have you done the refrigerant leakage test?	It may cause insufficient cooling(heating) capacity.
Is heat insulation sufficient?	It may cause unexpected condensate and dripping.
Is drainage pipe tested ?	It may cause leakage or unexpect dripping.
Is the voltage in accordance with the rated voltage marked on the nameplate?	It may cause electric malfunction or damage to the part/unit.
Is the electric wiring and piping connection installed correctly and securely?	It may cause electric malfunction or damage to the part/unit.
Has the unit been connected to a secure earth connection?	It may cause electrical leakage.
Is the power cord specified properly per NEC codes ?	It may cause electric malfunction or damage to the part/unit.
Is the air inlet and outlet been cleared?	It may cause insufficient cooling(heating) capacity, and unexpected noise.
Has charge be adjusted to match the and refrigerant capacity been recorded?	The refrigerant unit noise, iced up overheat insufficient cooling or heating

TEST OPERATION

1. Before test operation

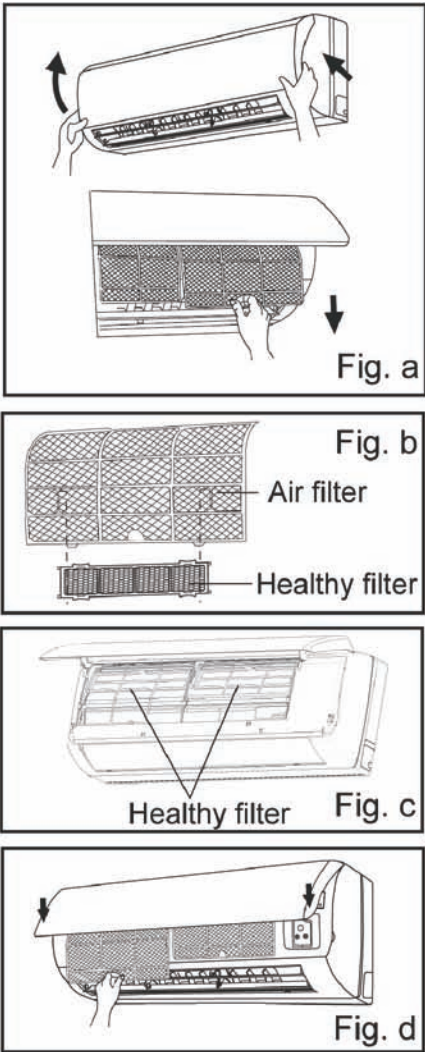
- (1) Do not turn on power before installation is finished completely.
- (2) Electric wires must be connected correctly and securely.
- (3) Cut-off valves of the connection pipes should be back seated/tunned on.
- (4) All the impurities such as scraps and thrums must be cleared out of the unit.

2. Test operation method

- (1) Switch on power, press "ON/OFF" button on the wireless remote control to start the operation.
- (2) Press MODE button, to select the COOL, HEAT (not available for cooling only unit is), FAN and so on to check :
 - * All the functions (to make sure the unit functions correctly and poroenty).
 - * Refrigerant (pressures/temperatures at sericea values/pipes should be good).
 - * Drainage (condensate/water flow should be dripping out of drainage pipe ONLY).
 - * Noise (there should be no abnormal symbol)

INSTALLATION INSTRUCTIONS

- 1. Forcibly pull the panel for a specific angle from the two ends of the front panel according to the arrow direction. Then pull the air filter downwards to remove it. (See Fig.a)
- 2. Mount the healthy filter onto the air filter,(as shown in Fig.b). If the air filter cannot be installed, please mount the healthy filter on the front case. (as shown in Fig.c)
- 3. Mount the air filter properly along the arrow direction in Fig.d, and then close the panel cover.

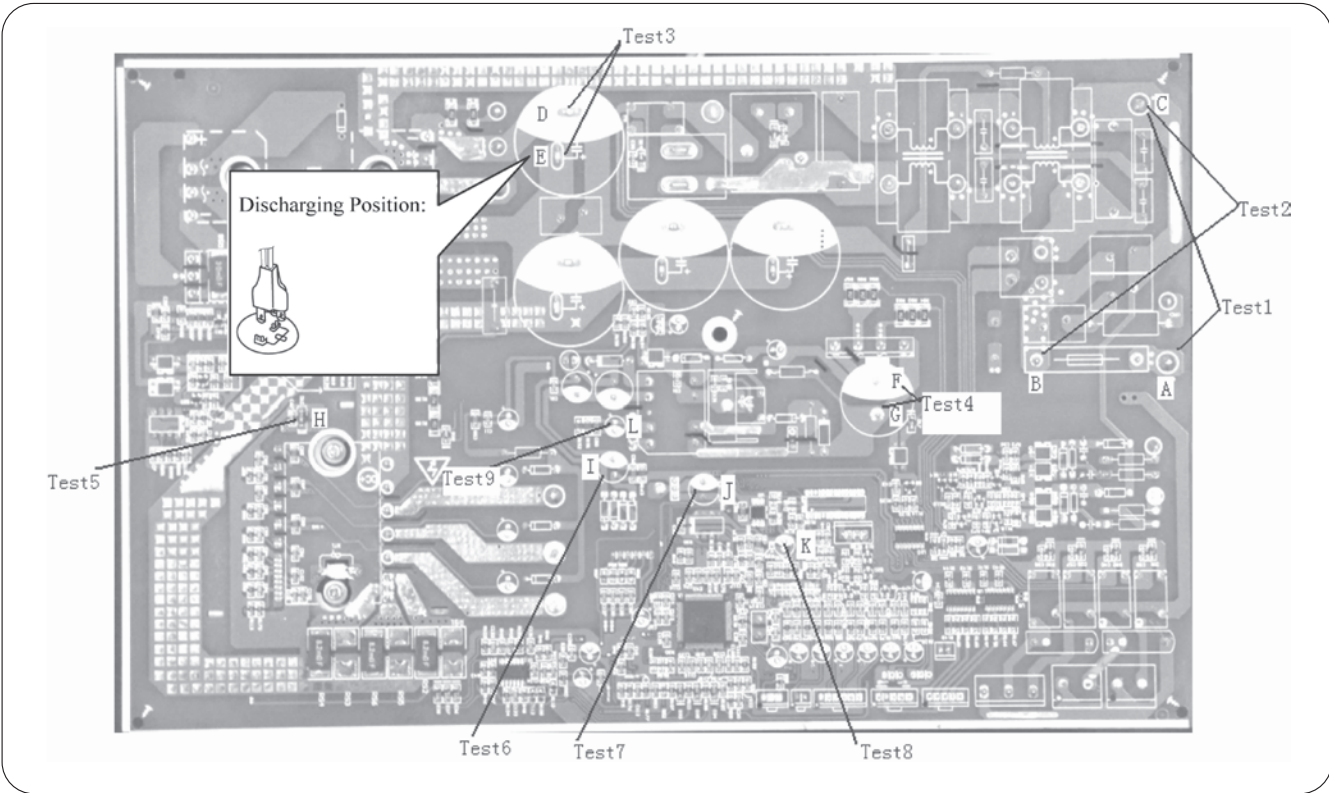


CLEANING AND MAINTENANCE

Take out the healthy filter before cleaning according to the installation instruction. Pay special attention to that silver ion filter can't be cleaned with water, while active carbon, photo catalyst, low temperature conversion (LTC) catalyst, formaldehyde eliminator, ca-techin or mite killing filter can, but can't with brush or hard things. Dry it in and reinstall it after cleaning the shade or sun after cleaning, but not by wiping.

SERVICE LIFE

The healthy filter commonly has its usage lifetime for one year under normal condition. As for silver ion filter, it is invalid when its surface becomes black (green). This supplementary instruction is provided for reference to the unit with healthy filter. If the graphics provided herein is different from the physical goods, the latter one shall prevail. The quantity of healthy filters shall be based on the actual delivery.



CONFIRMATION

- 1) Confirmation of Power Supply
Confirm that the power breaker operates(ON) normally;
- 2) Confirmation of Power Voltage
Confirm that power voltage is AC 220-C230-C240±10%. If power voltage is not in this range, the unit may not operate normally.

FLASHING LED OF INDOOR/OUTDOOR UNIT AND PRIMARY JUDGEMENT

No.	Name of malfunction	Indoor unit displaying method			Outdoor unit display (LEDs have 3 status)				AC status	Malfunctions	
		Double 8 code display	Indicator display (LED blinks 0.5s-ON/0.5s-OFF)								
			Running LED	Cooling LED	Heating LED	D40	D41	D42			D43
1	System high pressure protection	E1	3s off blink once			□	☆	☆	☆	Cooling, dehumidifying, except the indoor fan motor is running, others will stop to running	High pressure of system, might be: 1) Refrigerant is too much; 2) Poor heating exchanging for units (including heat exchanger is dirty and unit heating radiating ambient is poor); 3) Ambient temp. is too high.
2	Anti-freezing protection	E2	3s off blink twice			■	□	■	□	Cooling, dehumidifying, compressor, outdoor fan motor will stop running, indoor fan motor will keep running.	1) Poor indoor unit air returning; 2) indoor fan motor rotating speed abnormal; 3) Evaporator is dirty/.
3	Compressor air exhaust high temp. protection	E4	3s off blink four times			■	□	■	☆	Cooling, dehumidifying, compressor, outdoor fan motor will stop running, indoor fan motor works. heating: all stop running.	Pls refer to trouble shoot (air exhaust protection, overload)

TROUBLESHOOTING

4	AC overload protection	E5	Off 3s blink 5 times				□ ■ ☆ □	Cooling, dehumidifying, compressor, outdoor fan motor will stop, indoor fan will work, heating; all will stop	1) Power supply is not stable, fluctuation is too much; 2) Power supply is too low, overload is too much.
5	Indoor and outdoor units communication malfunction	E6	Off 3s blink 6 times				□ □ □ ☆	Cooling, compressor will stop, indoor fan motor works. Heating; all will stop.	Please refer to trouble shooting
6	Anti-high temp. protection	E8	Off 3s blink 8 times				■ □ ■ ■	Cooling, compressor will stop, indoor fan motor works. Heating; all will stop.	Please refer to trouble shooting
7	Indoor unit motor no feedback	H6	Off 3s blink 11 times					Whole unit will stop to run	1) Poor insert for GPF; 2) Indoor control board API malfunction; 3) Indoor motor M1 malfunction.
8	Jump wire cap mal function protection	C5	Off 3s blink 15 times					Whole unit will stop to run	Indoor control board API jump cap poor connected, please reinsert or replace the jump cap.
9	Indoor ambient sensor open circuit, short circuit	F1	Off 3s blink once					Cooling, dehumidifying: indoor fan motor is running, other overloads will stop; Heating, whole unit will stop to run.	1) Room temp. sensor is not connected with the control panel AP1; 2) Room temp. sensor is damaged.
10	Indoor evaporator sensor circuit, open, short circuit	F2	Off 3s blink twice					Cooling, dehumidifying: indoor fan motor running, other overload will stop; Heating, whole unit will stop.	1) Tube temp. sensor is not connected with the control panel AP1; 2) Tube temp. sensor is damaged.
11	Outdoor ambient sensor circuit open, circuit short	F3	Off 3s blink three times				□ □ ☆ ■	Cooling, dehumidifying: compressor will stop, indoor fan motor will work. Heat: all will stop	Outdoor room temp. sensor hasn' t connected well, or damaged, please refer to the sensor resistance value for checking.
12	Outdoor condensor sensor open circuit, short circuit	F4	Off 3s blink 18 times				□ □ ☆ □	Cooling, dehumidifying: compressor will stop, indoor fan motor will work. Heat: all will stop	Outdoortub temp. sensor hasn' t connected well, or damaged, please refer to the sensor resistance value for checking.
13	Outdoor air exhaust sensor open circuit, short circuit	F5	Off 3s blink 5 times				□ □ ☆ ☆	Cooling, dehumidifying: after running for 3mins later, the compressor will stop to run, indoor fan motor will start to run. heating: after run 3mins later, all will stop to run.	1) Exhaust temp sensor hasn' t connected well, or damaged, please refer to the sensor ; resistance value for checking. 2) Sensor head hasn' t insert into the copper tube.
14	Overload limit/ descending frequency	F6	Off 3s blink 6 times				■ □ ☆ ☆	Overload normal operation, compressor is running, frequency descending	Please refer to troubleshooting
15	Over current need frequency descending	F8	Off 3s blink 8 times				■ ■ □ ■	Overload normal operation, compressor is running, frequency descending	1) Input power supply is too low; 2) System voltage is too high, overload is too much.
16	Air exhaust over high need frequency descending	F9	Off 3s blink 9 times				■ ■ □ □	Overload normal operation, compressor is running, frequency descending.	1) Overload is too much, ambient temp. is too high; 2) Refrigerant is short; 3) Electric expansion malfunction.
17	DC generatrix voltage is too high	PH	Off 3s Blink 11 times				□ ■ □ ☆	Cooling, dehumidifying, compressor stop running fan motor works. Heating: all will stop.	1) Testing wire terminal L and N position If higher than 265VAC, please cut off the power supply and restart until back to normal; 2) If input voltage is normal, testing the voltage of electrolytic capacitor on API after turn on the unit. There may be some problem and replace the API if the electrolytic capacitor voltage range at 200-280V.

TROUBLESHOOTING

18	Whole unit's current testing malfunction	U5	Off 3s blink 13 times				□ ■ ☆ ■	Cooling, dehumidifying: compressor stops running, indoor fan motor works. Heating: all will stop running.	The circuit on API has malfunction, replace the outdoor unit API.
19	Compressor current overcorrect protection	P5	Off 3s blink 15 times				□ ☆ □ □	Cooling, dehumidifying: compressor stops running, indoor fan motor works. Heating: all will stop running.	Please refer to troubleshooting (IPM protection, compressor lose steps, compressor current overcorrect protection).
20	Defrosting	H1	Off 3s blink once					Under the heating mode, compressor running, indoor/outdoor fan motor stop working	It is normal function
21	Electrostatic dedust protection	H2	Off 3s blink twice						
22	Compressor overload protection	H3	Off 3s blink 3 times				□ ☆ ☆ □	Cooling, dehumidifying: compressor stops running, indoor fan motor works. Heating: all will stop running	1) Wire terminal OVC-COMP loosen or circuit, has problem, the resistance of SAT should be lower than 1 ohm. 2) Please refer to troubleshooting (exhaust/overload protection)
23	System abnormal	H4	Off 3s blink 4 times					Cooling, dehumidifying: compressor stops running, indoor fan motor works. Heating: all will stop running	Pls refer to troubleshooting
24	IPM protection	H5	Off 3s blink 5 times				■ □ ■ ■	Cooling, dehumidifying: compressor stops running, indoor fan motor works. Heating: all will stop running	Pls refer to troubleshooting
25	PFC prtecton	HC	Off 3s blink 6 times				□ ■ ☆ ☆	Cooling, dehumidifying: compressor stops running, indoor fan motor works. Heating: all will stop running	Pls refer to troubleshooting
26	Compressor lose steps	H7	Off 3s blink 7 times				□ ☆ ■ ☆	Cooling, dehumidifying: compressor stops running, indoor fan motor works. Heating: all will stop running	Pls refer to troubleshooting
27	Heating, anti-high temp. declines	H0	Off 3s blink 10 times				■ □ ☆ ☆	Overload normal works, compressor running, frequency declines	Pls refer to troubleshooting
28	Starts up fail	Lc	Off 3s blink 11 times				□ ☆ □ ☆	Cooling, dehumidifying: compressor stops running, indoor fan motor works. Heating: all will stop running	Pls refer to troubleshooting
29	Compressor current testing circuit malfunction	U1	Off 3s blink 13 times				□ ☆ ■ □		Replace the outdoor control board API
30	EEPROM malfunction	EE	Off 3s blink 15 times				□ □ □ ■	Cooling, dehumidifying: compressor stops running, indoor fan motor works. Heating: all will stop running	Replace the outdoor control board API
31	Capacitor charge malfunction	PU	Off 3s blink 17 times				□ ■ □ ■	Cooling, dehumidifying: compressor stops running, indoor fan motor works. Heating: all will stop running	Pls refer to Part 3 capacitor charging fault of troubleshooting
32	Module sensor circuit diagram	P7	Off 3s blink 18 times				□ □ ■ ☆	Cooling, dehumidifying: compressor stops running, indoor fan motor works. Heating: all will stop running	Replace the outdoor control board API
33	Module temp. over high protection	P8	Off 3s blink 19 times				■ □ ☆ ■	Cooling, dehumidifying: compressor stops running, indoor fan motor works. Heating: all will stop running	To check whether the ambient Temp. of IPM is too high or the heat-sinhing of IPM is dirty else replace the outdoor baord API
34	DC Bus voltage dips	U3	off 3s blink 20 times				□ ■ ■ ■	cooling, dehumidifying; compressor will stop, indoor fan motor works, Heating: all will stop	Power voltage is not staable
35	Low DC Bus voltage protection	PL	off 3s blink 21 times				□ ■ ■ □	cooling, dehumidifying; compressor will stop, indoor fan motor works, Heating: all will stop	1) Check the Input voltage if the Voltage is lower than 150VAC, restart the machine when the power supply is normal 2) Checking the reactor L connection

TROUBLESHOOTING

36	IPM temp. is too high limit/decrease frequency	EU					■	■	■	☆	Overload normal works, compressor running frequency declines	Whole unit break for 30mins and discharge, to check the outdoor control board API's IPM module coolant whether is short, the radiator is tightened. If above phenomenon is not ok, please improve or replace the control board API
37	Four-way valve abnormal	U7					■	□	☆	□	This malfunction happened, only in heating mode, all will stop to run	1) Power supply voltage is lower than AC175V 2) Wire terminal 4V loosen or wire break 3) 4V damaged, replace 4V
38	Outdoor unit zero-cross detecting error	U9					■	■	☆	□	Cooling: compressor will stop, indoor fan motor works. Heating: all will stop	Replace the outdoor control board API
39	Anti-freezing limit/decrease frequency	FH					■	■	■	□	All loads work normally but the running frequency limited or decrease	Indoor unit air return is poor or fan speed is too low

USER NOTES AND SERVICE LOG



LIMITED PRODUCT WARRANTY POLICIES

YMGI Group (YMGI) products are designed and manufactured free from defects in workmanship and materials for normal use and maintenance. YMGI products are designed and manufactured to the qualities to keep installer(s) and user(s) from any trouble and to bring total comfort to unit(s) owner(s) and end user(s).

YMGI warrants its products against any unexpected issues occurred to product itself, though designed and manufactured and expected to work much longer than the warranted period, only if system is installed by currently licensed HVAC contractor, as follows:

- Five-year compressor and sealed system
- One-year other parts
- Ground shipping only

Above warranties valid only if all the following are satisfied:

- The unit was installed by licensed HVAC technician(s) of state certified or licensed contractor(s) only.
- The unit is installed per national and local codes.
- The unit is installed following installation instruction coming with YMGI products.
- The unit is fully checked and tested by installer(s) to make sure installed unit functions as expected.
- Correct and proper operation of the unit is explained clearly to the owner(s) by installer(s).
- All fields are filled or checked, signed and dated by both installer(s) and owner(s) on the LIMITED PRODUCT WARRANTY REGISTRATION CARD on the other side of this page.
- Registration card must be mailed within 7 calendar days after the original installation is finished or your NEW home (unit is not checked or used yet) is closed, whichever comes later, by the owner(s) to YMGI Warranty Registration, POB 1559, O,fallon MO 63366.
- A full copy of warranty registration card must be kept by owner(s) safely along with other documents that come with the product.

No warranty may be valid if any one of above 8 conditions is not fulfilled.

Warranty begins on the date of the original installation or the date of NEW home (unit is not checked or used yet) is closed, whichever comes later.

As its only responsibility, and your only remedy, YMGI will furnish replacement part, without charge for the PART(S) and Ground Shipping ONLY, to replace any part found to be defective due to manufacture workmanship or materials under normal use and maintenance.

Any part replaced pursuant to this warranty is warranted only for the unexpired portion of the warranty term applying to the original part. These warranties do NOT apply to any other cost associated with the service, replacement or operation of the product.

For warranty credit, product(s) or part(s) must be reviewed by YMGI's distributor(s) / contractors and then YMGI service center(s). In case no distributor(s) or service center(s) available in the area where unit is installed, owner(s) need to contact YMGI for assistance before further action is to be taken. YMGI is the only one to approve/honor warranty claiming.

Warranty policy herein DOESN'T cover:

- Any damage or repairs to properties and person(s) as an incident or consequence of Customer do it yourself (DIY) installation, faulty or improper installation, operation, maintenance, or service that ISN'T physically performed by YMGI.
- Any damage caused by frozen or broken water pipes in the event of equipment failure.
- Any damage as a result of floods, fires, winds, lightning, accidents, corrosive atmosphere or other conditions beyond the control of YMGI.
- Any damage resulted from use of components or accessories not specified, supplied or designated by YMGI.
- Any damage because of failure to start due to interruption and/or inadequate electrical service.
- Any products sold or installed outside the United States or Canada.

Any damage due to service performed by third parties, it is the product receivers(s) or owner(s)'s responsibility to claim such damage resulted from these activities to the responsible party:

- Transportation, installation and operation.
- Normal maintenance and service as described in the installation and operating manual, such as cleaning of the coils, filter, cleaning and/or replacement and lubrication.

YMGI keeps on product improvement and such improvement is purposed to further benefit installers, owners, users and others. Such improvement or changes, even without notice, including but not limited to specifications, functions, appearance, sizes, packages or others, of the products are YMGI's sole right(s). These improvement or changes will not invalidate the limited warranty stated herein.

For further information about this warranty, contact YMGI Warranty Registration



LIMITED PRODUCT WARRANTY REGISTRATION CARD



LIMITED PRODUCT WARRANTY REGISTRATION CARD

Product-Indoor Unit Model No.: Outdoor Unit Model No.:
Product-Indoor Unit Serial No.: Outdoor Unit Serial No.:
Installed at Address: Installed on Date (mm/dd/yyyy):

Street name and number, City, State, Zip code, Phone No. Fax No.

Purchased from Distributor Company/Branch Office Located at:

Street name and number, City, State, Zip code, Phone No. Fax No.

Indoor Unit Outdoor Unit Packaged Unit (Please Check Whatever Applicable)

Installed by Licensed HVAC Contractor Company/Branch Office Located at:

Street name and number, City, State, Zip code, Phone No. Fax No.

Currently Valid HVAC License No of Installation Technician:

Full Name of Installer Technician: Cell Ph.: Office Ph.:

YMGI Packing List No: Purchasing Order No:

Licensed Installing HVAC Contractor/Technician Checklist:

- Are you a currently licensed HVAC contractor/technician?
- Did you read through the manual(s) prior to installation?
- Is unit unpacked and checked by the installer for obvious damage?
- Supply power V/Ph/Hz measured at circuit breaker to the outdoor unit: or Indoor unit:
- Incoming power V/Ph/Hz measured at terminal blocks of outdoor unit: or Indoor unit:
- Wire gauge and qty. between circuit breaker/disconnect switch to outdoor unit:
- Wire gauge and qty. between outdoor unit and indoor unit:
- What are installed before HVAC Licensed Technician took over?
- Is field wiring checked following national and local codes?
- Selected the correct electrical components (HVAC circuit breaker or fuse or disconnect switch for the power to the outdoor unit, connecting wires between circuit breaker/disconnect switch and outdoor unit, wires between outdoor and indoor units)?
- Is indoor coil and/or outdoor coil sealing checked and passed prior to installation?
- Is refrigerant piping length within stated ranges and free from kinks or too much bending?
- Indoor unit away from ceiling and outdoor unit away from the wall, bushes and other obstacles enough and safe clear distance, required in the manuals?
- Do air intake and discharge grills have enough open area free from any blocking?
- Indoor unit is installed on secured bracket, outdoor unit is placed on level platform, pad, or bracket securely?
- Taped the inter-connecting pipe ends before running through structures, keep from getting dust or other dirties into the pipes to damage the refrigeration system and void your factory warranty and cost you much more money?
- Is condensate drain pan or pipe checked all right free of any leakage?
- Vacuumed the connecting pipes for leakage check, before back-seating the stopping valves at outdoor condensing unit?
- Refrigerant suction pressures PSI: discharge pressures PSI: Outdoor Temperature F
- Are both indoor fan wheels and outdoor unit fan blades checked for smooth rotation free of abnormal noise?
- Is outdoor unit compressor observed being started, running and stopped in right ways?
- Are all system/unit functions tested and checked to be surely all right, before you fill this card?
- Is system/unit tested to run for at least 30 minutes?
- Did you explain or teach owner(s) or end user(s) clearly the right operation or normal maintenance of the system/unit?
- Does your company provide and will follow installation/service warranty policy?

Print Name of Licensed HVAC Installer: Print Name of Unit Owner/User:
Signature of Licensed HVAC Installer: Signature of Unit Owner/User:
Date: Date: Date:

To Validate the Warranty, Need to Mail the Fully Filled and Signed Card to Warranty Dept.,
YMGI Group, POB 1559, O'Fallon, MO 63366 within 7 Calendar Days after Original Installation,
or New Home (Unit is Not Used Yet) is Closed, Whichever Comes Later.

WARRANTY AND TECH. SUPPORT

YMGI warrants to the purchaser/owner(s) that YMGI products be free from defects in material and workmanship under the normal use and maintenance, with the standard Limited Product Warranty Policies that comes with the unit or sales package.

YMGI IS NOT RESPONSIBLE FOR

- * Damage or repairs required as a consequence Customer do-it-yourself(DIY) installation and/or any other faulty installation or improper application.
- * Damage or repairs needed as a consequence of any misapplication, abuse, improper servicing, unauthorized alteration, or improper operation.
- * Damage as a result of floods, winds, fires, lightening, accidents, corrosive atmosphere, or other conditions beyond the control of YMGI.
- * Any damages to person or property of whatever kind, direct or indirect, special or consequential, whether resulting from use or loss of use of the product.
- * Failure to start due to voltage conditions, blown fuses, open circuit breakers, or other damages due to the inadequacy or interruption of electrical service.
- * Parts not supplied or designated by YMGI.
- * Products installed outside USA or Canada.
- * Regular equipment maintenance or field service or field inspection.

CONTACT FOR FIELD SERVICE OR REPAIR

The following people, in a prioritized sequence, will take care of your request or issue:

- 1) The original installer; otherwise,
- 2) Your current service contractor; otherwise,
- 3) Authorized contractor in YMGI list that is close to you; otherwise,
- 4) Authorized Distributor in YMGI Distributor list; otherwise,
- 5) Contractor/Distributor you prefer who is close to you.

CONTACT FOR GENERAL TECHNICAL QUESTIONS OR SUPPORT, IN A SEQUENCE:

- 1) The original installer; otherwise,
- 2) The current service contractor; otherwise,

The original licensed installer or current service contractor should be contacted first of all, since they installed the unit and/or know more details than anybody else.

They will check the unit and find out the problems with the professional knowledge about HVAC and electric product installation by using special tools or instrument.

They can contact YMGI technical support for technical help during unit installation or inspection.

Product model and serial numbers needed, which can be found on unit nameplate sticker, so that our technician can quickly identify the unit, parts and wiring diagrams, among our many products and models.

- 3) The distributor; where the unit is purchased from otherwise,
- 4) YMGI Technical Support:
Tel: (866) 833-3138*703
Email: techsp@ymgigroup.com



USER NOTES AND SERVICE LOG

USER NOTES

Put down whatever questions you have or problems you have seen as a unit history:

[illegible]

SERVICE/MAINTENANCE LOG

Put down whatever questions you have or problems you have seen as a unit history:

[illegible]

MEMO

[illegible]